May 20, 1952 H. L. MYERS 2,597,810

CONTAINER HAVING SLIDE OPERATED FOLD-BACK COVERS

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Fig. 1.

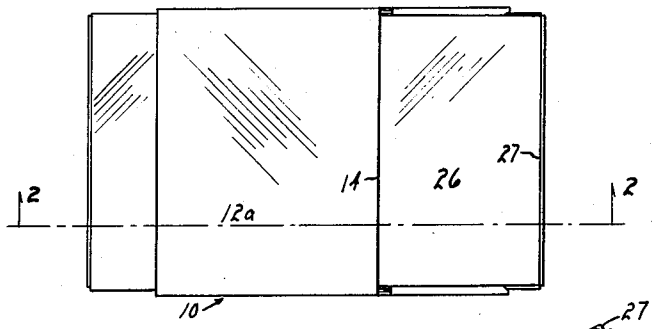


Fig. 2.

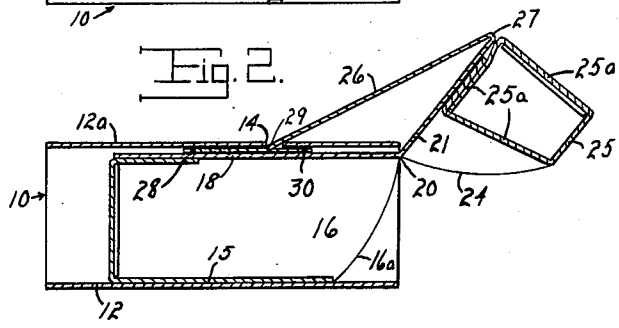
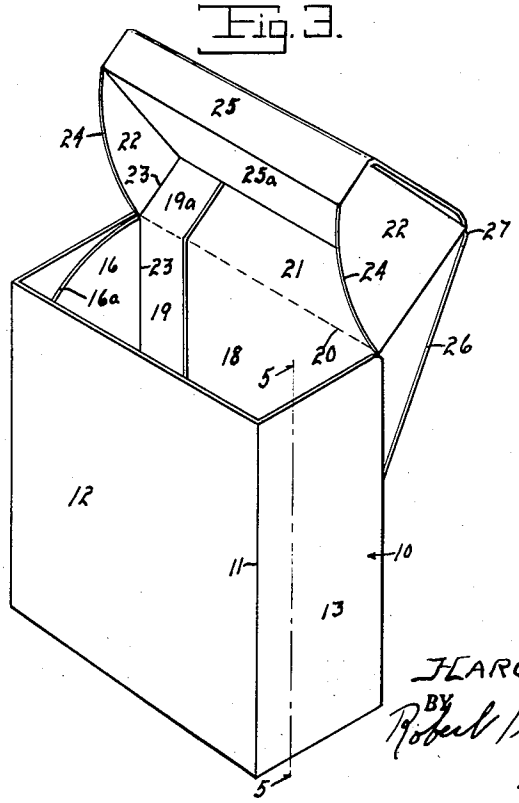


Fig. 3.



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Fig. 4.

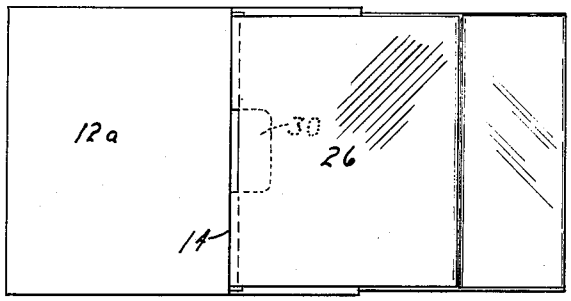


Fig. 5.

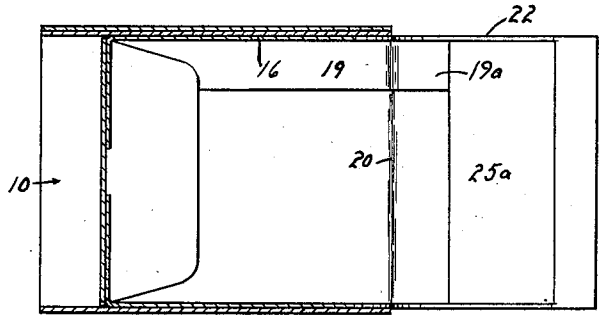
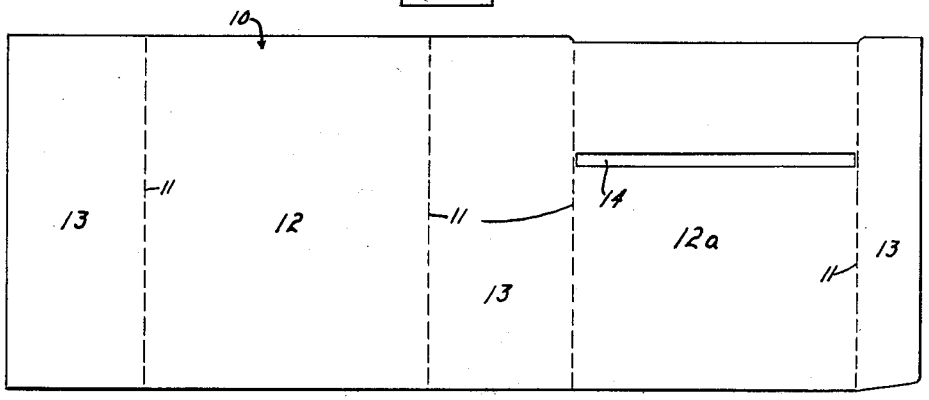


Fig. 6.



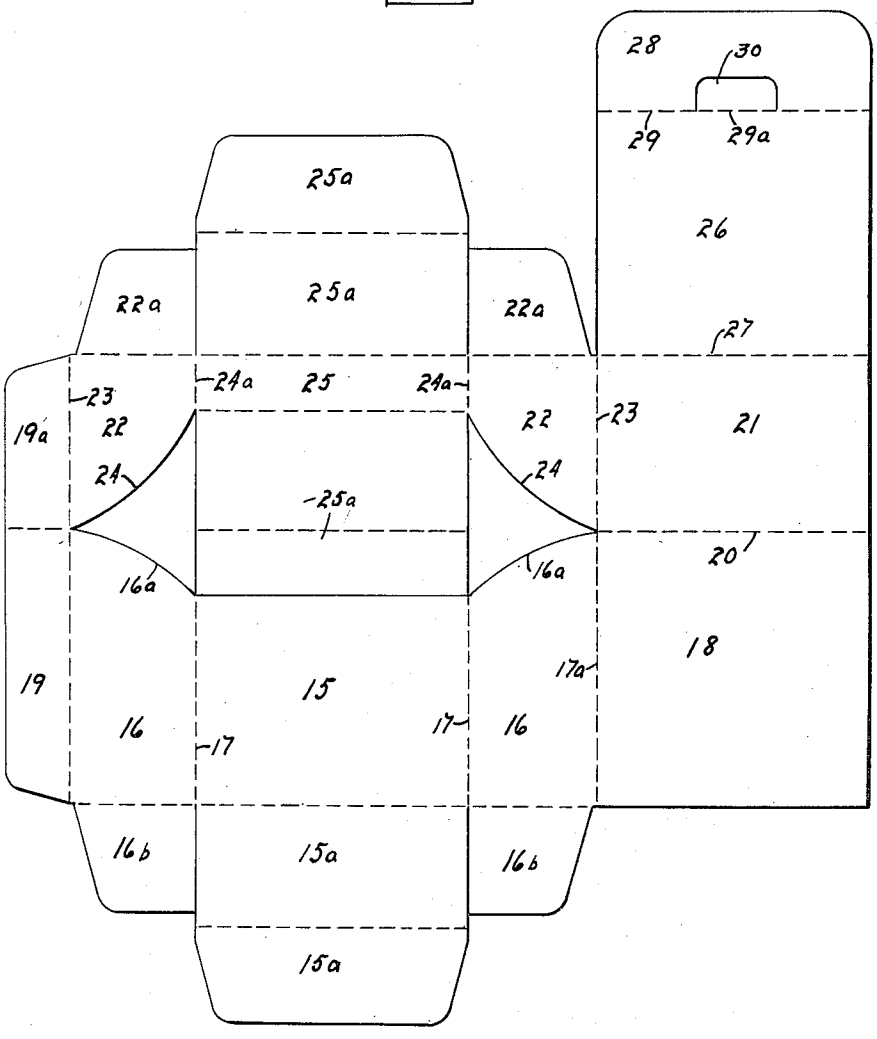
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Fig. 7.



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UNITED STATES PATENT OFFICE

2,597,810

CONTAINER HAVING SLIDE-OPERATED FOLD-BACK COVER

Harold L. Myers, Morristown, N. J.

Application November 8, 1947, Serial No. 784,803

4 Claims. (Cl. 229—19)

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The invention relates to containers for predetermined types of merchandise and more particularly to paper boxes of the so-called "slide type" which are adapted to be adjusted to positions in which the merchandise is attractively displayed and which normally serve to contain said merchandise.

The object of the invention is to provide containers of the indicated type capable of being readily adjusted to positions in which the merchandise respectively is protectively contained or displayed, and, at the same time, rendered readily accessible for removal at will.

The invention contemplates particularly the provision of the novel display box which includes means operating automatically to adjust a section of said box to display position.

Other objects will appear from the description hereinafter, and the features of novelty will be pointed out in the claims.

In the accompanying drawings which illustrate an example of the invention without defining its limits:

Fig. 1 is a rear face view of the novel container in its normal condition;

Fig. 2 is a longitudinal section on the line 2—2 of Fig. 1 with the container sections relatively shifted;

Fig. 3 is a perspective elevation of the container with the parts adjusted to display position;

Fig. 4 is a rear elevation thereof;

Fig. 5 is a longitudinal section on the line 5—5 of Fig. 3;

Fig. 6 is a face view of the blank from which one section of the box is constructed, and

Fig. 7 is a corresponding view of the blank from which the other section of said container is constructed.

In the form illustrated, the novel container comprises an outer section 10 preferably constructed of a single sheet of cardboard or other suitable material scored at 11 to provide a tubular section of predetermined cross-sectional form. In the illustrated example, the outer section 10 consists of a front panel 12 and rear panel 12–*a* foldably connected with each other along the score lines 11 by the side panels 13. One of the latter consists of sections foldably connected with the front and rear panels, respectively, and connected with each other in overlapping surface engagement by gluing or in any other convenient manner. At an intermediate point, the rear panel 12–*a* is formed with a slot 14 which extends transversely across said panel 12–*a* preferably throughout the width thereof and terminates at its opposite ends in registry with the side panels 13 as shown in Figs. 1 and 6.

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The inner section of the container includes a body adapted to contain the merchandise and consists of a front panel 15 with which side panels 16, preferably having curved edges 16–*a* at one end, are foldably connected, for instance, along score lines 17. The one side panel 16 is foldably connected along a score line 17–*a* with a rear panel 18, and a flap 19 is foldably connected with the other side panel 16 and attached in overlapping surface engagement with said rear panel 18 in any convenient manner as by gluing. The rear panel 18 is foldably connected, for instance, along a score line 20 with an associate panel 21 to which a foldable continuation 19–*a* of the flap 19 is secured in overlapping surface engagement by gluing or otherwise. Side members 22 are foldably connected along score lines 23 with the panel 21 and continuation 19–*a*, respectively, said side members 22 preferably being formed with curved edges as indicated at 24 and being foldably connected at 24–*a* with a transverse panel 25 as shown in Fig. 3. Foldably-associated flaps and tongues 25–*a* are foldably combined with each other and with the transverse panel 25 and correspondingly associated flaps and tongues 15–*a* are foldably connected with each other and with the front panel 15. In addition, tongues 16–*b* and 22–*a* are foldably combined with the side panels 16 and side members 22, respectively. These tongues and flaps are adapted to be adjusted and tucked into associated relation to provide upper and lower end transverse walls for the inner section of the novel container.

The latter further includes means whereby the upper portion of the inner section 21 is capable of being automatically adjusted to display position in which the contents of the container are not only displayed for sale but are rendered readily accessible for removal at will.

The means referred to comprise a member or panel 26 foldably connected with the upper edge of the panel 21 along a score line 27 and provided at its free end edge with a flap 28 foldable on the score line 29 and cut at an intermediate point to provide a tongue or locking tab 30 which is also foldably connected with the panel 26 along a score line 29–*a* which registers with the score line 29.

In the operative condition of the novel container, the inner section thereof is slidably mounted in the outer section 10 with the various tabs and tongues properly folded and tucked to provide end walls at opposite ends of said inner

section. The member or panel **26** is folded downwardly on the score line **27** with the flap **28** extending through the slot **14** and between the panels **12**–*a* and **18**. Prior to the insertion of the flap **28** through the slot **14**, the tongue **30** is folded back on the score line **29**–*a* so as to project over the panel **26** and, in this position, passes through the slot **14** to constitute a restraining projection or hook as will appear more fully hereinafter.

With the sections of the novel container located in normal position, the member or panel **26** and the flap **28** project between the rear panel **12**–*a* of the outer section and the panel **18** of the inner section with the tongue or tab **30** folded backwardly and extending thru the slot **14** and between the panels **12**–*a* and **18**.

If the inner section is slidably shifted relatively to the outer section, the upper edge of the slot **14** will contact the tab **30** at the fold line **29**–*a*. As movement of the inner section is continued, the tab **30**, in cooperation with said edge of the slot **14** will prevent the member or panel **26** from further sliding movement and will, accordingly, cause the latter to develop a restraining force which is exerted on the panel **21** at the folding line **27** and swings the upper portion of the inner section of the container on the score line **20** to adjust said upper portion to the angular position illustrated in Figs. 2 and 3. In this position, the panel **26** serves to maintain the upper portion of the inner section of the box in said angular position and also serves as a brace to support said upper portion in said angular position. In this display position of the container, the merchandise in the inner section is visibly and accessibly disposed as will be evident from Fig. 3.

The novel container is easily set up and constitutes a novel device in which the merchandise is not only protectively enclosed but whereby, in addition, said merchandise may be attractively displayed and from which it may be readily removed at will.

Because of its foldable character, the novel container, in the form of the blanks illustrated in Figs. 6 and 7, or with the sections of said container in independently collapsed form, may be stored and shipped in relatively large quantities in a minimum of space and may be made from various materials—of which cardboard is an example.

Although the present invention has been described in conjunction with a preferred embodiment, it is to be understood that modifications and variations may be resorted to without departing from the spirit and scope of the invention, as those skilled in the art will readily understand. Such variations and modifications are considered to be within the purview and scope of the claims.

I claim:

1. A shipping and display container for merchandise comprising a slidably-removably mounted open-ended tubular outer section having front, rear, and side walls, the rear wall of which has a transverse slot, and an inner section comprising pivotal upper and lower four-sided container parts, said inner section being movably mounted within said outer section and normally enclosed therein, the upper container part having an upper panel foldable rearwardly and downwardly by means of score lines to a point on the rear side and having a flap at its outer end insertable in display position in said slot, said flap having a centrally located tab cut out on its surface and foldably connected to the main panel and bendable rearwardly and outwardly to impede downward movement beyond a certain point on said flap when said flap is inserted in said slot.

2. A container as set forth in claim 1 wherein the lateral sides of upper container part are laterally cut away along lines extending from its axis of pivotal movement, and said inner section has a transverse score line located on said rear side at a point corresponding to the lowermost and rearwardmost point of the lateral cut-away sections, enabling the entire upper portion of the inner section to be bent rearwardly to a ninety degree angle when in display position and thus effectively exposing the contents of the container.

3. A container as set forth in claim 1, wherein forward lower portions of the sides of the upper container part are cut away along lines slanting rearwardly and downwardly.

4. A shipping and display container for merchandise comprising a slidably-removably mounted open-ended tubular outer section, having front, rear, and side walls, the rear wall of which has a transverse slot, and an inner section comprising two pivotal four-sided container parts, said inner section being movably mounted within said outer section and normally enclosed therein, one container part having an upper panel bent back and extending into said slot in shipping and display positions, the lateral sides of said inner section being cut away starting from a point corresponding to the transverse score line located on said rear side and slanting forwardly and downwardly, to a point corresponding to the uppermost boundaries of the outer section when in display position.

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