

June 8, 1937.

R. E. PAIGE

2,083,345

DISPLAY CONTAINER

Filed Oct. 28, 1936

2 Sheets-Sheet 1

FIG. 1.

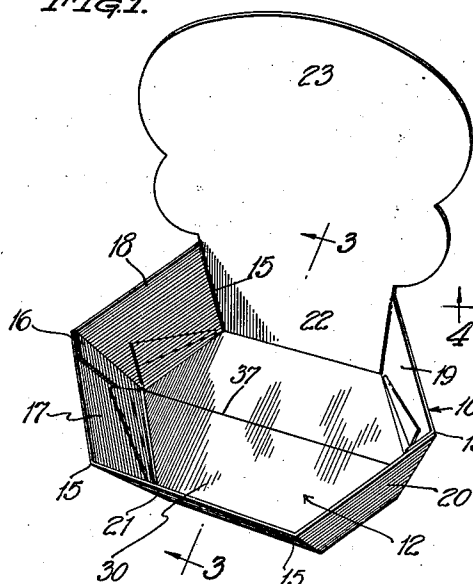


FIG. 2.

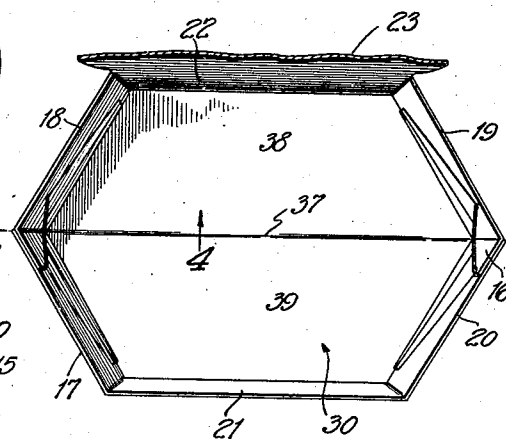


FIG. 3.

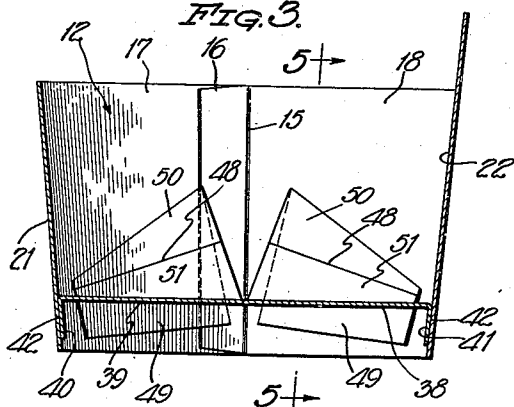


FIG. 4.

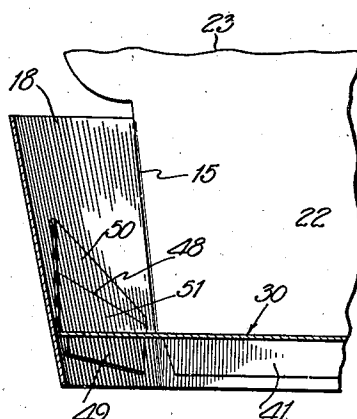
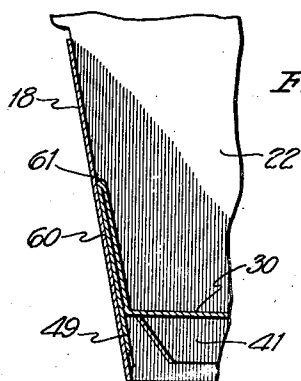


FIG. 5.



WITNESS:

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2 Sheets-Sheet 2

FIG. 6.

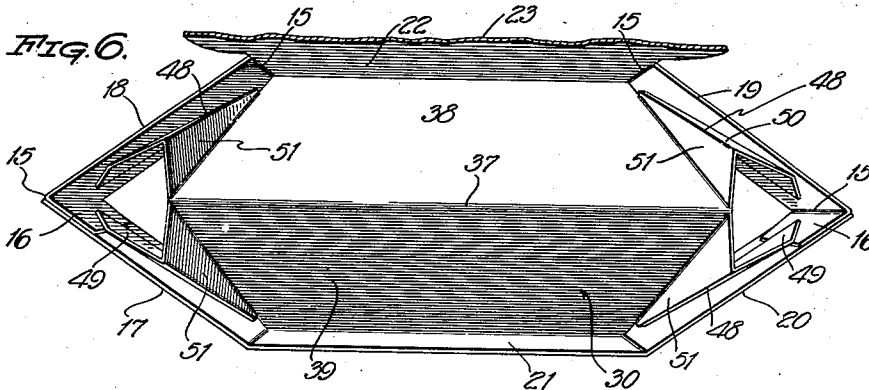


FIG. 7.



FIG. 8.

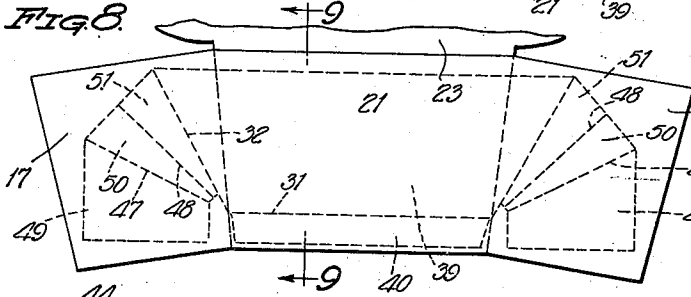


FIG. 9.

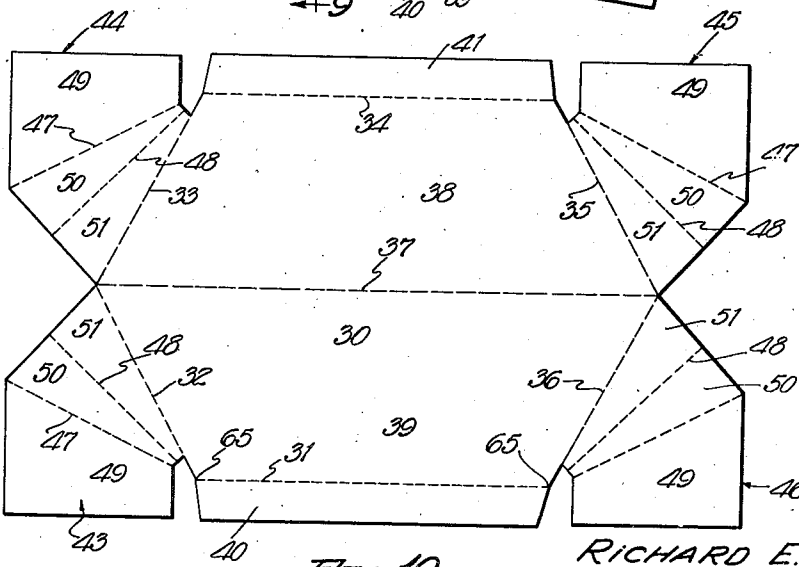
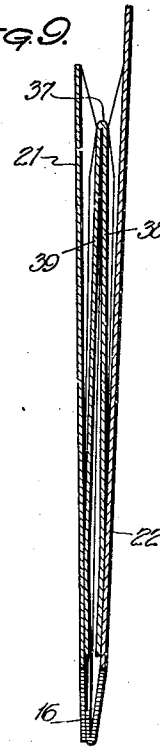


FIG. 10.

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2,083,345

DISPLAY CONTAINER

Richard Eaton Paige, Flushing, N. Y.

Application October 28, 1936, Serial No. 107,944

3 Claims. (Cl. 229—23)

This invention relates to new and useful improvements in display devices and more particularly it pertains to a new and novel display device which in its operative position provides a container for the merchandise being displayed.

It is one object of the present invention to provide a device of the afore-mentioned character which may be collapsed into a relatively flat compact form when not in use.

It is a further object of the invention so to provide a new and novel construction whereby, although the device is formed from relatively thin stock it will be possessed of great strength and will support comparatively heavy weights without sagging or distorting.

It is a still further object of the invention to provide a new and novel construction and arrangement of parts whereby the bottom of the container, when the same is in its display position will be both supported from beneath and suspended from above.

A still further object of the invention resides in a new and novel construction whereby the device may be easily erected from its knockdown position by a single operation.

With the above and other objects in view reference will be had to the following specification and claims and to the accompanying drawings, in which:

Figure 1 is a perspective view illustrating a device constructed in accordance with the present invention, the device being set up in display position,

Figure 2 is a top plan view thereof,

Figure 3 is a transverse sectional view taken substantially on the line 3—3 of Figure 1,

Figure 4 is a fragmentary sectional view taken substantially on the line 4—4 of Figure 2,

Figure 5 is a detail vertical sectional view on an enlarged scale taken substantially on the line 5—5 of Figure 3,

Figure 6 is a top plan view partly in section illustrating the device in partly collapsed condition,

Figure 7 is a view similar to Figure 6 showing the device in its completely collapsed form,

Figure 8 is a fragmentary view in elevation showing the device in its completely folded form,

Figure 9 is a transverse sectional view taken substantially on the line 9—9 of Figure 8, and;

Figure 10 is a plan view of the blank from which the bottom of the device is formed.

Referring to the drawings by reference character, a device constructed in accordance with the present invention comprises two members, one

of which constitutes the side walls of the finished device, the other section constituting the bottom. In the accompanying drawings the section which forms the side walls is designated 10, the section which forms the bottom being designated 12.

The section 10 is preferably formed from a single blank of material such as paper, cardboard or the like and the blank is so shaped and scored or creased as at 15, that when its ends are brought together and secured to each other in overlapped relation as shown at 16, there will result a plurality of hingedly connected panels of which the panels 17, 18, 19 and 20 form the ends of the container, the panel 21 forming the front wall of the container, while the panel 22 forms the rear wall of the container. In the present illustration of the invention I have elected to show the container sides as comprising six hingedly connected panels but it will be obvious that any number of panels may be employed within the scope of this invention.

In the present illustration of the invention I have also shown the panel 22 as provided with an extension 23 for display copy but it will also be obvious that this extension may project from any of the other panels and that its specific location forms no particular part of the present invention.

The bottom section is preferably formed from a single blank of material of the type illustrated in Figure 10 and comprises a main body portion 30 which is defined by crease or score lines 31, 32, 33, 34, 35, and 36, these several crease or score lines constituting the six side edges of the bottom. A crease or score line 37 extends through the longitudinal center of the bottom and divides it into two panels 38 and 39 hingedly connected together by said crease or score line 37.

The score line 31, in addition to defining one side edge of the bottom, forms a line of fold for a section 40 and the score line 34 provides a line of fold for a similar section 41 upon the opposite side of the bottom. These two sections 40 and 41 provide means for supporting the bottom from the side walls in a plane beneath the plane of the bottom when it is in its operative position, these sections being secured to their respective panels of the side wall section preferably by pasting as at 42 in Figure 3. Thus it will be apparent that the bottom is supported from beneath at its front and rear edges.

The reference numerals 43, 44, 45 and 46 designate tabs which project from the ends of the panels of the bottom 30. The tabs 44 and 45

project from the opposite ends of the panel 38 and the tabs 43 and 46 project from the opposite ends of the panel 39. Each of these tabs is divided by score lines 47 and 48 into panels 49, 50 and 51. The panel 49 of each tab provides the means by which the tabs are connected to the end walls of the container. The tabs 45 are each folded upon its respective crease or score line 47 until the panels 49 are in position to be attached to their respective side walls as at 60 in Figure 5. In this position it is understood that the bottom 30 is in its flat or operative position, and when in this position the panels 50 and 51 will occupy the same plane and will extend parallel with their respective panels 49, as illustrated in said Figure 5.

By reference to Figure 5 it will be apparent that when the panels 49 which are secured to the side walls in any desired manner but preferably by gluing in the position as shown, the bottom section 30 will be suspended from the upper edge 61 of each panel 49 and that, as heretofore mentioned, the bottom 30 in its operative position is supported from beneath and suspended from above.

With the parts in the position in which they are shown in Figures 1 through 5, inclusive, the device is in its set up form. When it is desired to collapse or fold the same, it is only necessary to exert pressure centrally of the bottom section 30 and break the same upon the crease or score line 37. Upon application of pressure, as heretofore described, the bottom begins to fold upwardly along the crease or score line 37 and the panels 50 and 51 each hinge upon its respective crease or score line 48, permitting the front and rear walls and the end walls to move toward each other as illustrated in Figure 6. With the parts in the position shown in Figure 6 it is only necessary to exert slight pressure upon the front and rear of the container in its fully collapsed position, as shown in Figure 7, in which position the panels 50 and 51 have again assumed the position where they are in substantially the same plane in each tab.

To again set the device up in display position it is only necessary to exert pressure in opposite directions upon the ends of the device, as it is shown in Figure 7, whereupon the bottom panels 38 and 39 tend to flatten out while the several panels 50 and 51 tend to move from the position in which they are shown in Figure 7 to the position in which they are shown in Figures 1 to 5, inclusive.

It will be noted that the several crease or score lines 32, 47 and 48 radiate from a common point 65 in their adjacent end of their respective bottom panel, and that by this construction the two panels 50 and 51 of each of the tabs provide a hinge connection between the attached panel 49 of each tab and the bottom panel to which the tabs are attached.

From the foregoing it will be apparent that the present invention provides a new and novel form of knock down collapsible display container which is not only capable of simple and easy manipulation to set up and collapse, but which is possessed

of suitable supporting strength by reason of its bottom being supported from beneath its operative plane at two points and suspended from a point above its operative plane at four points. Furthermore, by constructing the device from two blanks instead of a single blank, I am enabled to obtain a greater area for display copy with a single printing operation, since, by forming the device from two blanks a single printing operation will provide the entire display copy. This is not possible should the device be formed from a single blank for the reason that, in forming from a single blank both sides of the blank are exposed to view when the device is in operative position and to print both sides of a blank requires two printing operations.

Having thus described the invention, what is claimed as new, is:

1. A collapsible container comprising a body portion having side walls including a plurality of hingedly connected panels, a bottom comprising a single blank of material, a crease or score line extending longitudinally of the bottom and dividing said bottom into two hingedly connected panels of substantially like dimensions, means depending from opposite sides of said bottom for attachment to the side walls of the body portion for supporting the body portion from beneath, a tab extending from each end of each panel of the bottom, and crease or score lines dividing each of said tabs into an attaching panel and two hingedly connected panels interposed between the attaching panel and its corresponding end of its corresponding bottom panel.

2. A collapsible container comprising a body portion having side walls including a plurality of hingedly connected panels, a bottom comprising a single blank of material, a crease or score line extending longitudinally of the bottom and dividing said bottom into two hingedly connected panels of substantially like dimensions, means depending from opposite sides of said bottom for attachment to the side walls of the body portion for supporting the body portion from beneath, a tab extending from each end of each panel of the bottom, and crease or score lines dividing each of said tabs into an attaching panel and two hingedly connected panels interposed between the attaching panel and its corresponding end of its corresponding bottom panel, each of said last mentioned score lines extending radially from a common point in its respective tab.

3. A collapsible container comprising a body portion including a plurality of hingedly connected panels, and a foldable bottom member having two spaced pairs of extendible tabs and with each tab of a pair forming an inner foldable panel and an outer attaching panel for gluing to the inner face of its respective panel of the body portion, and said bottom member further including a pair of opposed spaced rectangular sections constituting attaching panels, said opposed spaced rectangular sections being secured to the inner face of their respective panels of the body portion in downwardly depending relation to the bottom member.

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