United States Patent [19]

Hamlin

[11] **3,865,233**

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[54] **DISPLAY CARTON WITH PLATFORM SUPPORT**

[75] Inventor: **John R. Hamlin**, Orange, Calif.

[73] Assignee: **Container Corporation of America**, Chicago, Ill.

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[52] **U.S. Cl.** **206/45.19**

[51] **Int. Cl.** **B65d 5/50**

[58] **Field of Search** 206/45.19, 806

[56] **References Cited**

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Primary Examiner—Leonard Summer

Attorney, Agent, or Firm—Carpenter, Ostis & Lindberg

[57] **ABSTRACT**

A display carton is formed from a cut and scored blank of paper board and comprises major and minor panels foldably connected to define a tube. One of the minor panels has a width less than the width of the other minor panel for a substantial portion of its length with its ends having a width equal to the other minor panel. One of the major panels has spaced cut lines extending transversely thereof and in alignment with cut lines defining the end portions of one of the minor panels. A fold line is provided in one of the major panels and connects inner ends of the cut lines to define a narrow longitudinal panel along one side of the tube, and a fold line in the same major panel is spaced from the last named fold line to define a main subpanel which is foldably connected to the narrow panel and spaced from the other major panel. Closure means are provided at one end of the tube and includes inner and outer closure flaps, the inner closure flap having three flap elements, one being folded into facing relationship to a major panel, a second being folded perpendicularly thereto and standing between both of the major panels, a third of the flap elements being folded into facing relationship with said one major panel. The second flap element has at least one tab element extending therefrom and between the main subpanel and the other major panel to support the main sub panel.

1 Claim, 7 Drawing Figures

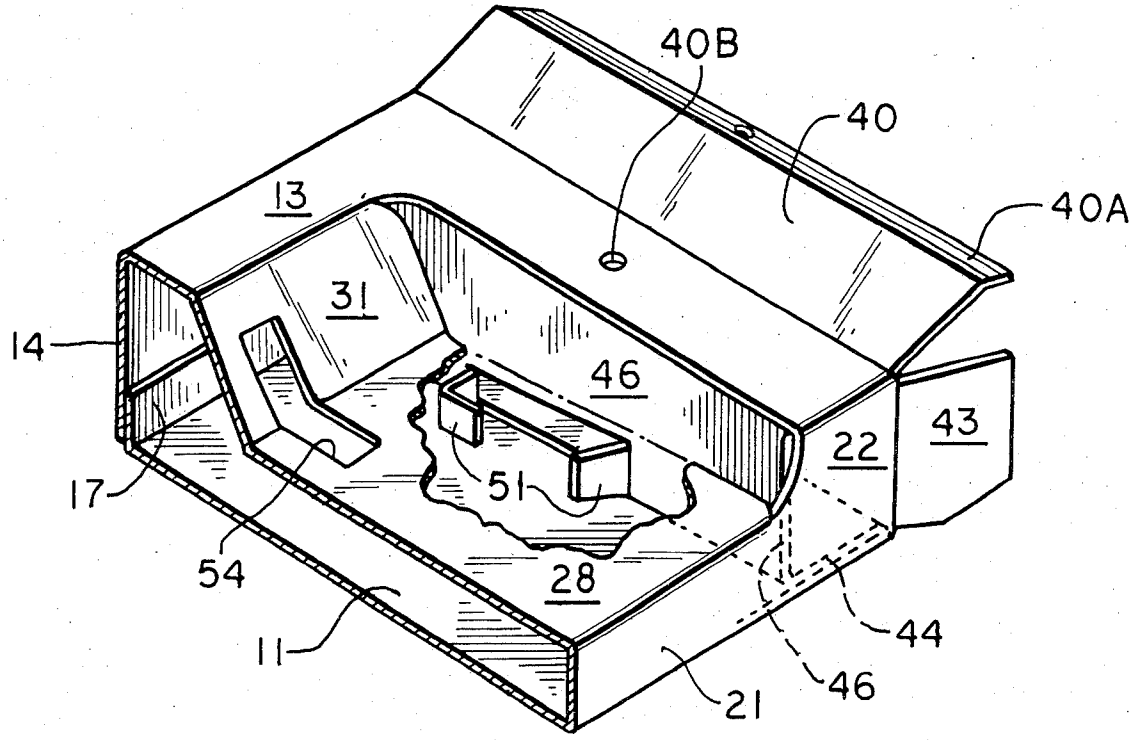


FIG. 1

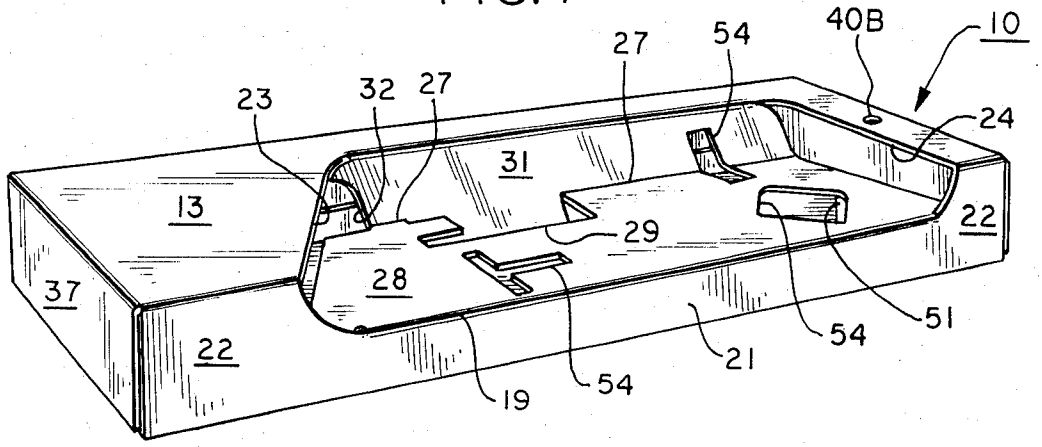


FIG. 4

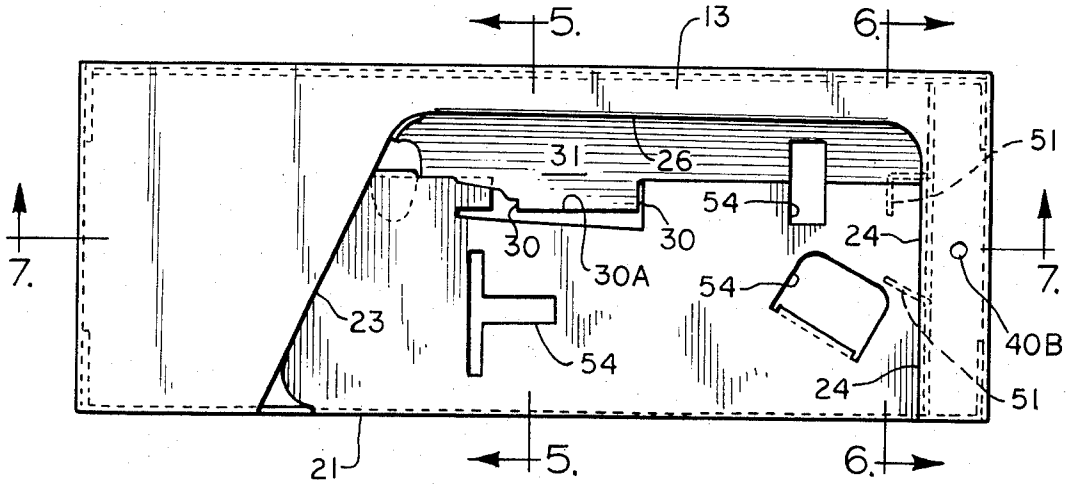


FIG. 5

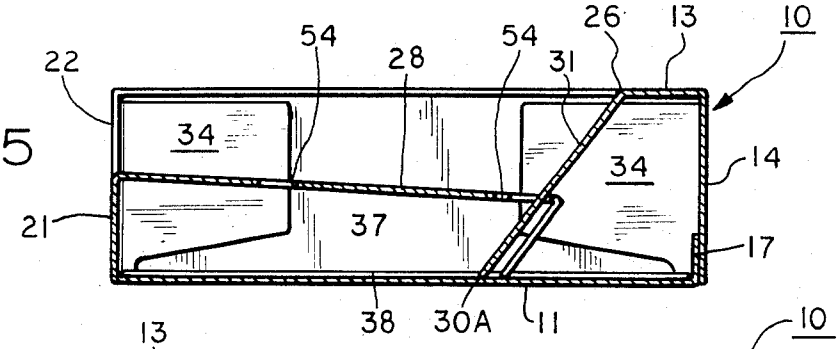


FIG. 6

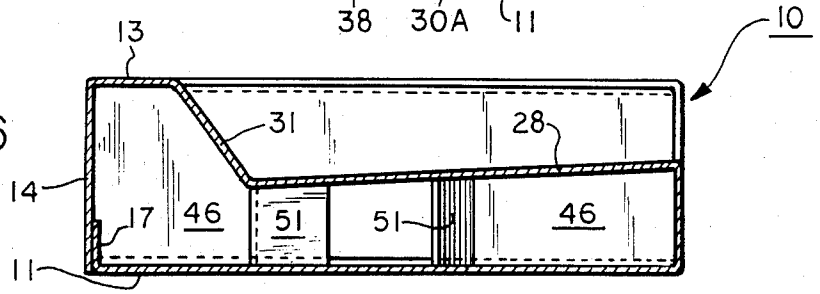


FIG. 7

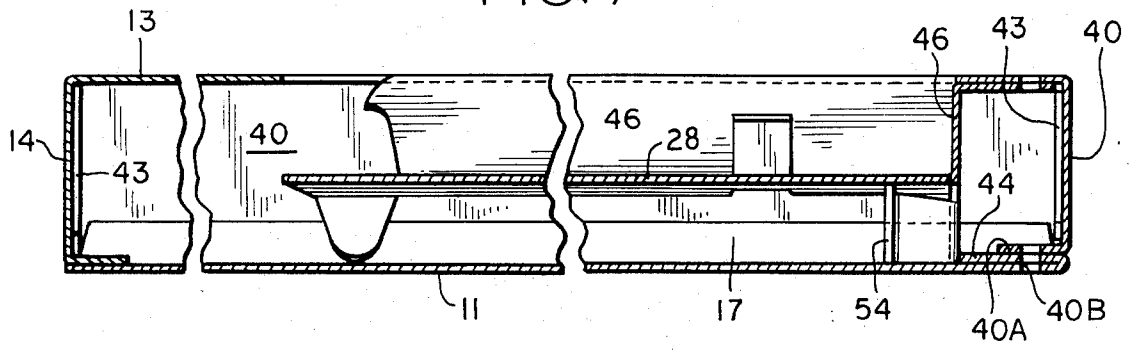


FIG. 3

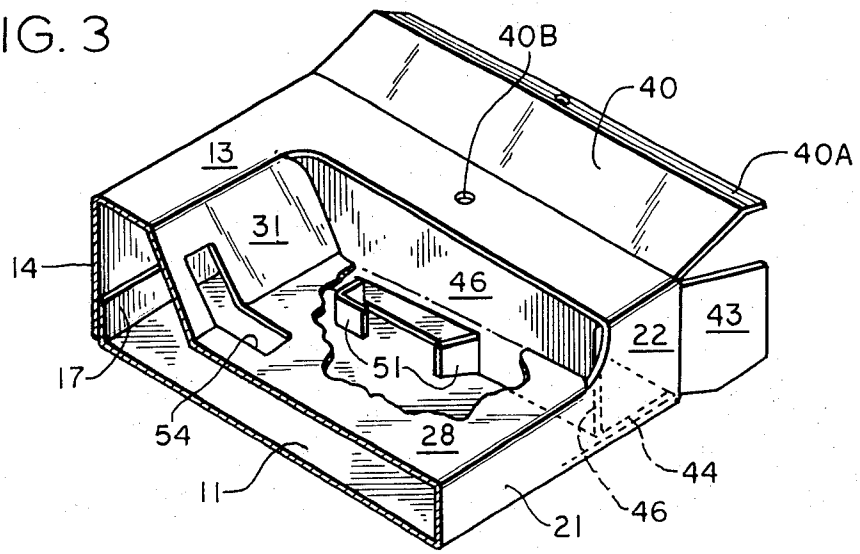
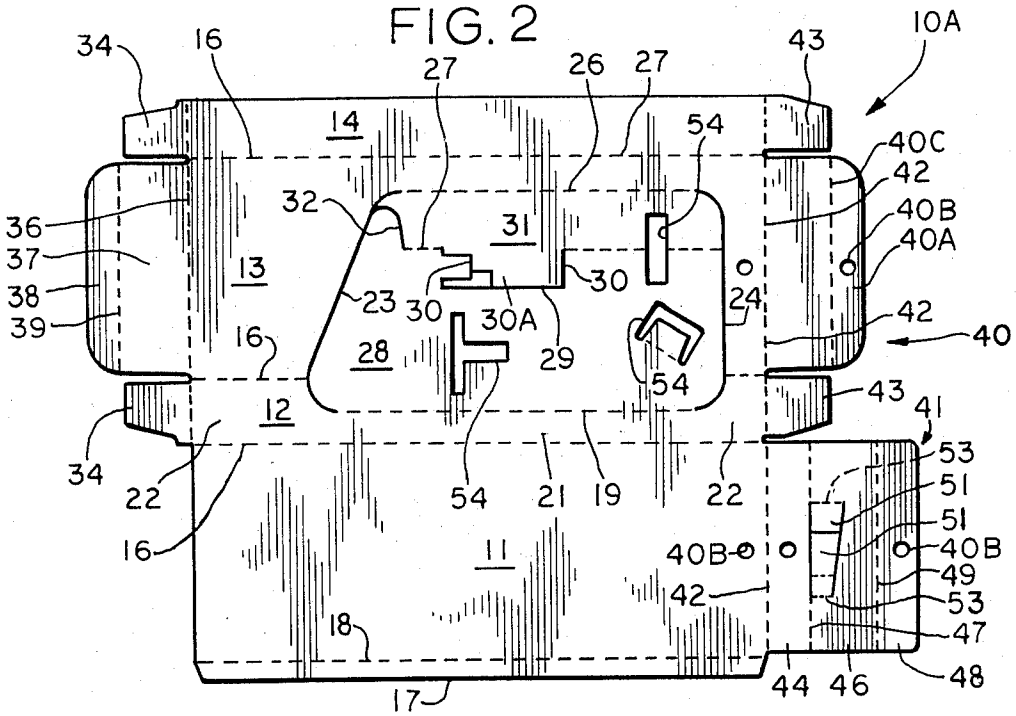


FIG. 2



DISPLAY CARTON WITH PLATFORM SUPPORT

THE DRAWINGS

FIG. 1 is an isometric view of a display carton having the improvements according to the present invention embodied therein;

FIG. 2 is a plan view of a cut and scored blank for forming the carton seen in FIG. 1;

FIG. 3 is a perspective view of a part of the carton seen in FIG. 1, showing certain details of construction;

FIG. 4 is a plan view of the carton seen in FIG. 1;

FIG. 5 is a transverse sectional view looking in the direction of the arrows 5—5 of FIG. 4;

FIG. 6 is a transverse sectional view looking in the direction of the arrows 6—6 of FIG. 4; and

FIG. 7 is a longitudinal sectional view looking in the direction of the arrows 7—7 of FIG. 4.

The improved display carton according to the present invention is referred to by the reference numeral **10**, and is formed from a cut and scored blank **10A** of paper board or the like seen in FIG. 2. Blank **10A** includes a major bottom panel **11**, minor side panel **12**, a major top panel **13** and a opposite side panel **14**, these being foldably connected along parallel fold lines **16**. A glue flap **17** is foldably connected to the main bottom panel **11** along a fold line **18** and is glued to the opposite side panel **14** to define a tube.

The minor panel **12** has a portion **21** of lesser width than the width of the other minor panel **14**, it being defined by one of the fold lines **16** and a fold line **19** spaced therefrom, so that the panel **21** extends for a substantial distance longitudinally of the minor panel **12**, the minor panel **12** having end portions **22** of a width corresponding to the opposite minor panel **14**.

The upper major panel **13** has spaced transverse cut lines **23** and **24**, these extending into the fold line **19**, and the cut lines **23** and **24** are connected in the top panel **13** by a fold line **26** to provide a main subpanel **28**, which is additionally defined by fold lines **27** spaced from the fold line **26**.

Cut lines **29** and **30** define a tab **30A** adapted to rest against the lower major panel **11**, as seen particularly in FIGS. 1 and 5. Fold line **27** is also connected to a cut line **32** connected in turn to the cut line **23** whereby the cut line **30A** may rest upon lower panel **11**.

Closure means are provided for one end of the tube and consist of dust flaps **34** foldably connected along fold line **36**; and a outer closure flap **37** is also connected between the two dust flaps **34** to the left end of the upper major panel **13**, closure flap **37** having a tuck flap **38** foldably connected thereto along a fold line **39**.

Structure is provided for closing the opposite end of the tube and the main subpanel **28**, and includes dust flaps **43** foldably connected along a fold line **42** to the other ends of the minor panels **12** and **14**. An inner closure flap **41** includes a first flap element **44** which is foldably connected to a second flap element **46** along a fold line **47**, the latter being folded to an erected position between the lower major panel **11** and the upper major panel **13**. A third flap element **48** is foldably connected to the second flap element **46** along a fold line **49** to fold into facing relationship with the upper major panel **13**.

The second flap element **46** is provided with at least one tab element **51** folded with respect thereto along a fold line **53**, there being two tab elements shown and each extending between the lower major panel **11** and the main subpanel **28** to support the latter. As seen in the several views the structure thus far described provides a display carton, and in order to fit therein an object for display one or more apertures **54** may be provided in the subpanel **28** and in the inclined panel **31**.

The closure of the opposite end is completed by closure flap **40** foldably connected to panel **13** along a fold line **42**, closure flap **40** including a tuck flap **40A** foldably connected along a fold line **40C**.

The panels **11**, **13** and the closure consisting of elements **40A**, **48** and **44** are each provided with an aperture **40B**, the apertures **40B** falling into register for suspending the carton **10**.

I claim:

1. A display carton formed from a cut and scored blank of paperboard or the like and comprising:

a. major and minor panels foldably connected to define a tube;

b. one of said minor panels having a width which is less than the width of the other minor panel for a substantial portion of its length and with its ends having a width equal to the other minor panel;

c. one of said major panels having cut lines extending transversely thereof and in alignment with cut lines defining said narrow portion and wider ends of said one minor panel;

d. a fold line in said one major panel connecting inner ends of said cut lines to define a narrow longitudinal panel along one side of said tube;

e. a second fold line in said one major panel spaced from said last named fold line to define a main subpanel foldably connected to said narrow panel and spaced from said other major panel;

f. closure means for one end of said tube, said closure means extending from an end of said tube including inner and outer closure flaps foldably connected to said major panels;

g. said inner closure flap including foldably connected flap elements;

i. one of said flap elements being folded into facing relationship to said other major panel;

ii. a second of said flap elements being folded perpendicularly to said one flap element and standing between said major panels;

iii. a third of said flap elements being folded into facing relationship with said one major panel;

h. said second flap element having at least one tab element extending from the plane of said second flap element and between said main subpanel and said other major panel to support said main subpanel.

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