

[54] **CARTON WITH PRODUCT HOLDING FEATURE**

[72] Inventor: **George P. Webinger**, Minneapolis, Minn.

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

[22] Filed: **May 22, 1970**

[21] Appl. No.: **39,830**

2,469,497	5/1949	Conway.....	229/6
2,555,581	6/1951	Dunning.....	229/43
2,885,140	5/1959	Guyer.....	229/39
3,370,777	2/1968	Levi.....	206/46
3,516,593	6/1970	Larsen.....	206/46 X

Primary Examiner—M. Henson Wood, Jr.

Assistant Examiner—Thomas C. Culp, Jr.

Attorney—Carpenter, Ostis & Lindberg

[52] U.S. Cl. **229/39 R, 206/46 FR**

[51] Int. Cl. **B65d 5/10**

[58] Field of Search **229/39 R, 6, 43; 206/46 FR**

[56] **References Cited**

UNITED STATES PATENTS

3,383,028 5/1968 Brander206/46 X

[57] **ABSTRACT**

A carton having a tuck flap so-constructed and arranged as to engage a surface of a product and hold same in position. A carton sleeve has a closure flap with extensions therefrom, these being folded and secured into position to define a structure engageable with the said surface.

1 Claim, 3 Drawing Figures

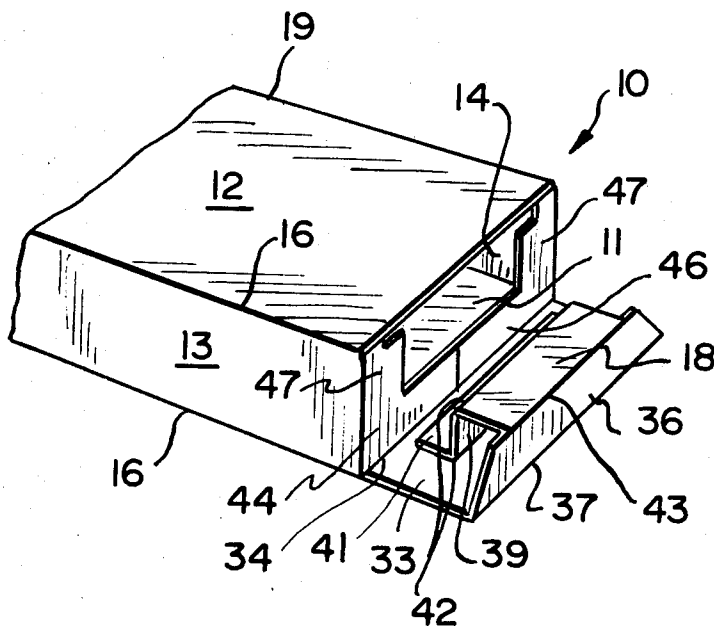


FIG. 1

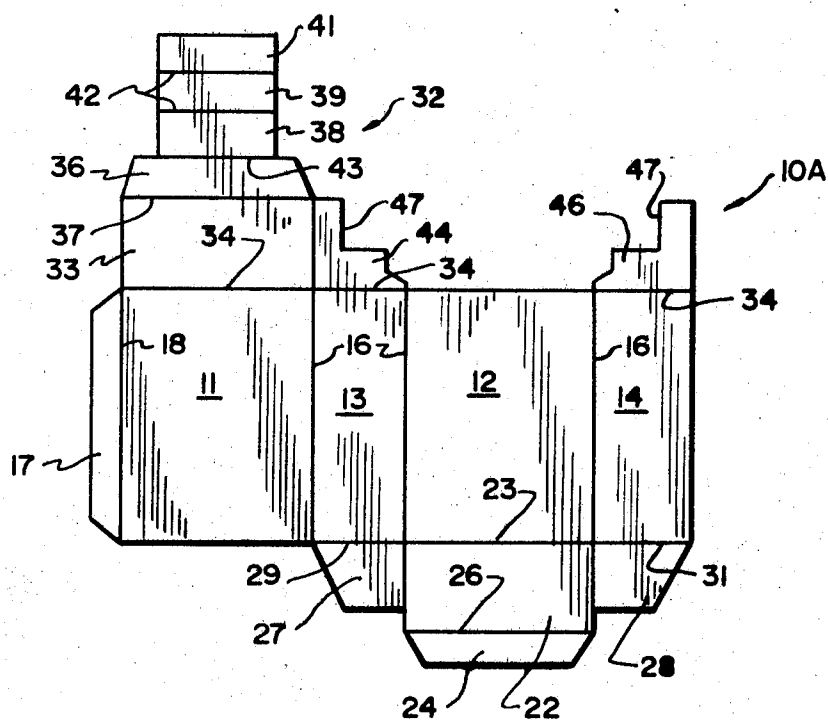


FIG. 2

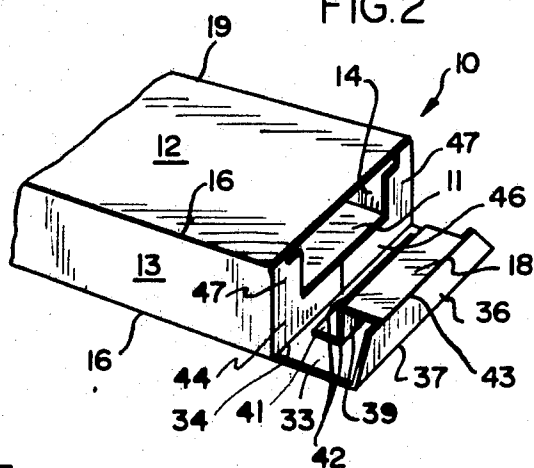
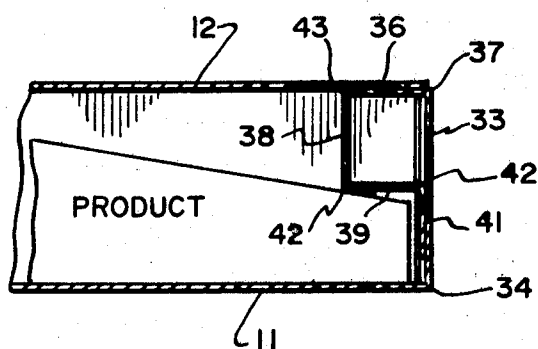


FIG. 3



INVENTOR.
GEORGE P. WEBINGER

BY *Carpenter, O'Brien & Lindberg*

ATTORNEYS.

CARTON WITH PRODUCT HOLDING FEATURE

THE PRIOR ART

The prior art is best exemplified by the following patents:

Conway	2,469,497	May 10, 1949	229/6
Dunning	2,555,581	June 5, 1951	229/43
Davidson et al.	3,330,465	July 11, 1967	229/34

SUMMARY OF THE INVENTION

The present invention comprehends a structure for assisting in holding an object in position within a carton, the structure being formed as a part of one of the closure elements of the carton, and being caused to bear against the object which is otherwise held in position between end closure for the carton.

THE DRAWING

FIG. 1 is a plan view of a cut and scored blank for forming a carton having the improvements according to the present invention embodied therein;

FIG. 2 is an isometric view showing the carton according to the present invention in partly assembled position; and

FIG. 3 is a longitudinal vertical section taken through the carton seen in FIG. 2 showing the manner in which a wedge shaped article is held in position therein.

The improved carton according to the present invention is referred to by the reference numeral 10, and is formed from a cut and scored blank 10A. Carton 10 consists of foldably interconnected opposed main panels 11 and 12 and opposed side panels 13 and 14, these being foldably interconnected along fold lines 16. A glue flap 17 is hingedly connected to main flaps 11 along fold line 18, and is adapted to be glued to the side panel 14 to define a carton sleeve 19 as seen in FIG. 2.

Closure means indicated generally by the reference numeral 21 extends from one end of certain of the aforesaid panels 11 to 14 inclusive and is adapted to be moved into closing position with respect to the remaining of said panels to close an end of the carton sleeve 19. Such closure means includes an end closure flap 22 foldably connected to the main panel 12 by a fold line 23, and a closure tab 24 foldably connected to flap 22 along fold line 26.

A pair of tuck flaps 27 and 28 are respectively connected along fold lines 29 and 31 to the opposed side panels 13 and 14, the tuck flaps 27 and 28 being folded in position in a conventional manner, and closure flap 22 being folded in position against the tuck flaps 27 and 28, with the tab 24 thereof folded against main panel 12.

In like fashion closure means indicated generally by the reference numeral 32 extends from the other end of certain of the aforesaid panels 11 to 14 inclusive, such closure means including a closure flap 33 connected by a fold line 34 to the

main panel 11. A closure tab is foldably connected at a fold line 37 to the closure flap 33, and is adapted to be folded in against the inside of one of the main panels 12 as seen in FIG. 3.

Structure is provided for maintaining a PRODUCT seen in FIG. 3 in proper position. The product is constrained between the closure means at the opposite ends of the main panels 11 and 12. The product has a surface spaced from main panel and ordinarily would not be entirely constrained against movement but for the structure according to the present invention. Such structure includes a group of elements 38, 39 and 41 foldably connected to each other along fold line 42, element 38 being foldably connected to the closure flap 36 along a fold line 43. Elements 38, 39 and 41 are structured as seen in FIG. 3.

Structure is provided to afford clearance to the elements 38, 39 and 41 in moving to position with the end closure flap 33 to the position seen in FIG. 3, and to this end the opposed side panels 13 and 14 have at one end thereof tuck flaps 44 and 46. Each of these is foldably connected to its respective side panels 13 and 14 along fold lines which are continuations of the fold line 34 connecting the closure flap 33 to one of the main panels 11. In order to accommodate the movement of the structure defined by the elements 38, 39 and 41 each of the tuck flaps 44 and 46 is notched as at 47 to accommodate such movement.

I claim:

1. A carton having structure for holding an article in position therein, said carton being formed from a cut and scored blank of paperboard or the like, and comprising:
 - a. foldably interconnected opposed main and opposed side panels defining a carton sleeve;
 - b. closure means extending from one end of certain of said panels adapted to be moved into closing position with respect to the remaining of said panels;
 - c. closure means extending from the other end of certain of said panels adapted to be moved into closing position including:
 - i. a tuck flap extending from each of said side panels;
 - ii. a rectangular notch formed in each tuck flap and defining with the other tuck flap a rectangular aperture at a correlative end of said carton sleeve defined in part by one of said main panels;
 - iii. a closure flap extending from the other of said main panels including a closure tab movable between the edges of said tuck flaps and said one main panel;
 - d. product holding structure erectable to product holding position upon closing of said closure flap including elements foldably connected to each other and between said closure flap and said closure tab, said structure when erected extending through said aperture and into said carton sleeve.

* * * * *

55

60

65

70

75