

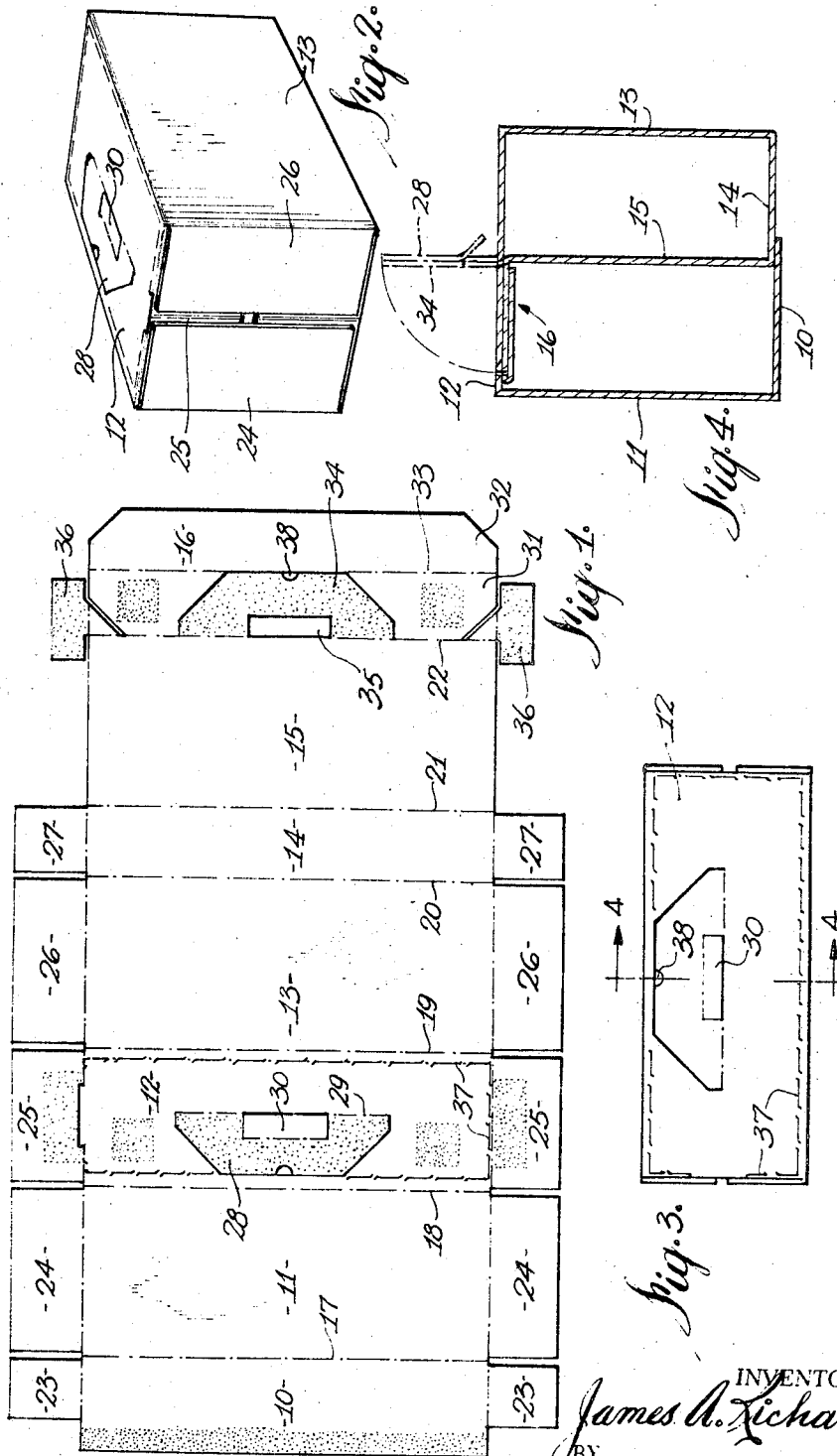
Oct. 8, 1968

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3,404,806

END LOADING BEVERAGE CARTON WITH HANDLE STRUCTURE

Original Filed Feb. 16, 1966



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END LOADING BEVERAGE CARTON WITH HANDLE STRUCTURE

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Continuation of application Ser. No. 527,932, Feb. 16, 1966. This application July 13, 1967, Ser. No. 653,270
6 Claims. (Cl. 220—115)

ABSTRACT OF THE DISCLOSURE

A carton for bottled beverages is formed from a unitary blank having a series of panels arranged to form top and bottom walls, a pair of side walls, a longitudinal partition panel, and a two-layer handle device panel. A handle tab is partially severed from the top wall panel and one layer of the handle device panel, and the two handle tabs are adhesively secured to each other.

This application is a continuation of application Ser. No. 527,932, filed Feb. 16, 1966, and now abandoned.

This invention relates to cartons for packaging and distribution of bottled beverages. The invention relates to cartons of end-loading type.

One of the problems incidental to cartons of end-loading type is the provision of a suitable handle device therefor. Obviously, such handle device should be such that it may be employed without permitting the entry of injurious light rays into the filled carton while maintaining the other desirable attributes of the carton, namely, economical manufacture thereof, as well as ease and economy of packing or filling with the bottled beverages.

It is an object of this invention to provide a carton for bottled beverages of end-loading type, which incorporates therein a handle device involving the use of material to an advantageous degree in the blank from which the carton is formed, which is susceptible to formation with convenience and ease into an open-ended, collapsible carton, wherein the handle is readily accessible for use, wherein the handle provided is strong and fully satisfactory in use, and wherein the contents of the carton are fully shielded from light prior to use of such contents.

The invention broadly resides in a carton for bottled beverages comprising a blank having in seriatim, a partial bottom wall panel, a side wall panel, a top wall panel, a side wall panel, a partial bottom wall panel, a longitudinal partition panel, and a handle device panel.

The invention will be described with reference to the accompanying drawing, in which:

FIGURE 1 is a plan view of a blank for use in forming a carton in accordance with the invention,

FIGURE 2 is a perspective view of an erected carton in accordance with the invention,

FIGURE 3 is a plan view of the carton shown in FIGURE 2, and

FIGURE 4 is a section on line 4—4 of FIGURE 3.

Referring to FIGURE 1, the blank shown is of unitary character and is made from any suitable sheet material such as paperboard, cardboard, corrugated paperboard, or the like.

The blank is of generally rectangular form and comprises a plurality of elongated panels arranged in lateral alignment and consistency of, in seriatim, a partial bottom wall panel 10, a side wall panel 11, a top wall panel 12, a side wall panel 13, a partial bottom wall panel 14, a longitudinal partition panel 15, and a handle device panel 16. Fold lines 17, 18, 19, 20, 21 and 22 define the respective panels. End wall forming means comprises a flap 23 on each end of panel 10, a flap 24 on each end

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of panel 11, a flap 25 on each end of panel 12, a flap 26 on each end of panel 13, and a flap 27 on each end of panel 14.

Top wall panel 12 has a handle tab 28 partially severed therefrom and foldable into generally perpendicular relation thereto along fold line 29. Tab 28 has a handhole forming flap 30 partially severed therefrom.

Handle device panel 16 is divided into two sections 31 and 32 of substantially equal extent by fold line 33 whereby it be formed into a double thickness panel along such fold line. Section 31 has a handle tab 34 partially severed therefrom and foldable into generally perpendicular relation thereto along fold line 22. Tab 34 has a handhole forming flap 35 partially severed therefrom.

Side wall panel 15 has a tab 36 extending from each end thereof adjacent panel 16.

The carton is initially formed into open-ended collapsible condition by applying adhesive to the dotted areas of the blank. Sections 31 and 32 of panel 16 are adhesively secured together and handle tab 34 is adhesively secured to handle tab 28 of panel 12. Tabs 36 are adhesively secured to flaps 25. The edge section of bottom panel 10 is adhesively secured to an edge section of bottom panel 14 to form a bottom wall, as shown in FIGURE 4.

The bottles of beverages may now be loaded into the carton from one end thereof, following which the carton is closed by folding and adhesively securing together the end wall forming flaps 24, 25, 26, 27, as shown in FIGURES 2 and 3.

When it is desired to erect the handle for carrying purposes, the double thickness handle comprising the tabs 28 and 34 is swung upwardly as indicated in FIGURE 4. Each tab 28 and 34 may be notched at 38 to facilitate grasping thereof. It will be apparent that erection of the handle tabs does not result in any opening of the carton since section 32 of panel 16 maintains the carton in fully closed condition.

Preferably, top wall panel 12 is perforated along lines 37 to permit removal of substantially the entire panel 12. When this panel is removed by the user, only half of the interior of the carton is exposed, the remaining half of the carton being fully closed by the underlying panel section 16.

It will be apparent that the structure described provides an extremely strong handle means for the carton while ensuring maximum protection for the contents until used.

I claim:

1. A carton for bottled beverages comprising a blank having in seriatim a partial bottom wall panel, a side wall panel, a top wall panel, a side wall panel, a partial bottom wall panel, a longitudinal partition panel, and a handle device panel having two substantially coextensive layers adhesively secured together, each of said top wall panel and one layer of said handle device panel having a handle tab partially severed therefrom, said handle tabs being secured to each other.

2. A carton for bottled beverages comprising a pair of unitary side walls, a unitary longitudinal partition between said side walls, a pair of bottom wall sections adhesively secured together, a unitary top wall, a two-layer panel adhesively secured to the inner surface of said top wall and occupying approximately one half of said inner surface, and a handle means comprising a tab partially severed from said top wall and a tab partially severed from one layer of said two-layer panel, said tabs being adhesively secured together.

3. A carton as defined in claim 2, said top wall having a line of perforations substantially coincident with the periphery of said top wall to facilitate removal of said top wall from said carton.

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4. A carton as defined in claim 2, each of said side and top walls and bottom wall sections having a pair of end wall forming flaps foldably connected thereto.

5. A carton as defined in claim 4, said longitudinal partition having end tabs each adhesively secured to one of said top wall flaps.

6. A carton for bottled beverages comprising a blank of sheet material having top and bottom wall panels, a pair of side wall panels, end wall forming flaps foldably connected to said panels, a longitudinal partition panel foldably connected along one edge to said bottom wall panel, a handle member foldably connected to an opposite edge of said longitudinal partition panel and secured to a portion of said top wall panel, said top wall panel hav-

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ing lines of perforations for separating said top wall panel from said handle member secured portion and from adjoining ones of said end wall forming flaps.

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