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 14 B, 14 BE, 14 BA, 22

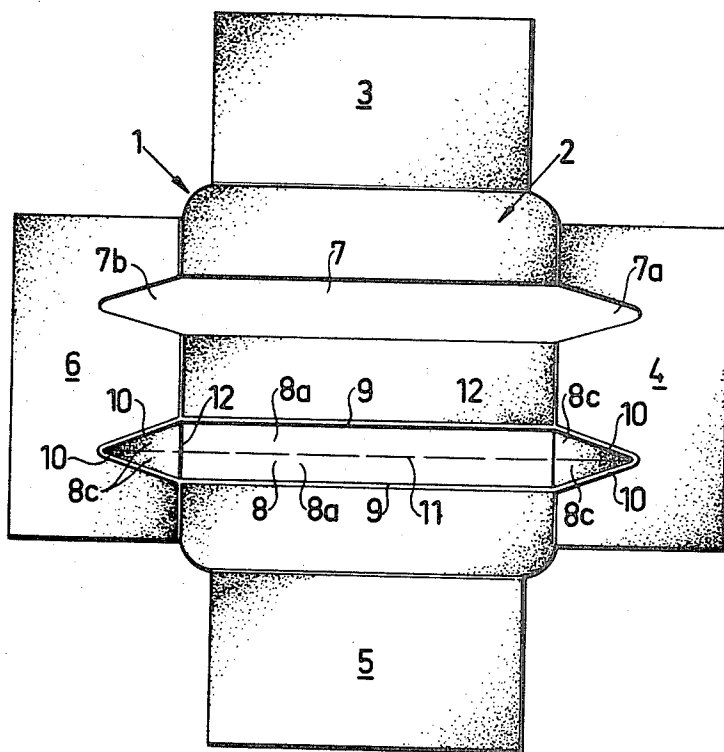
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[54] **PACKAGE PREFERABLY INTENDED FOR ICE CREAM AND SIMILAR PRODUCTS**  
**6 Claims, 3 Drawing Figs.**

[52] U.S. Cl..... 229/14,  
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 [51] Int. Cl..... B65d 5/56

**ABSTRACT:** A container for ice cream and similar products provided with depressions or indentations in the bottom thereof to facilitate the dividing the ice cream cake after it has been turned upside down on a plate for smaller servings.



SHEET 1 OF 2

Fig. 1

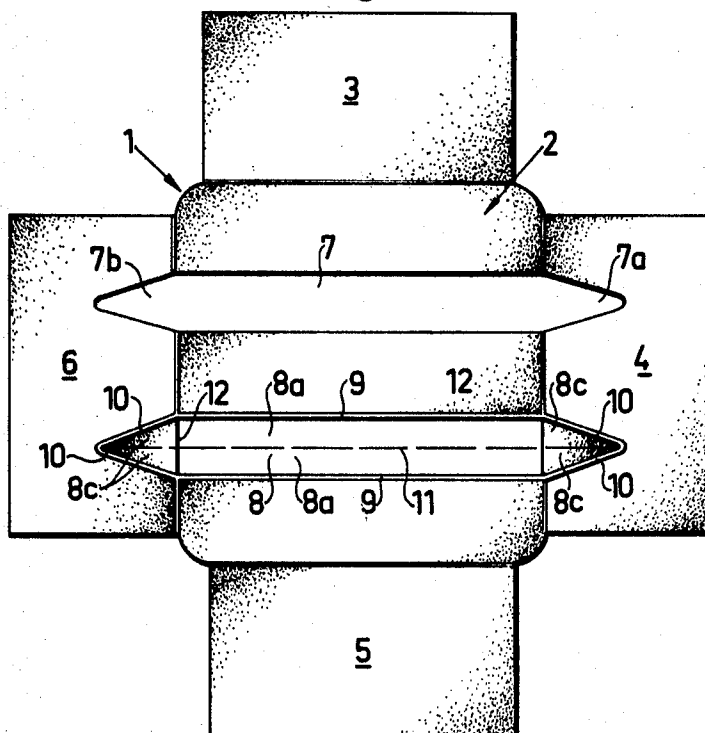


Fig. 2

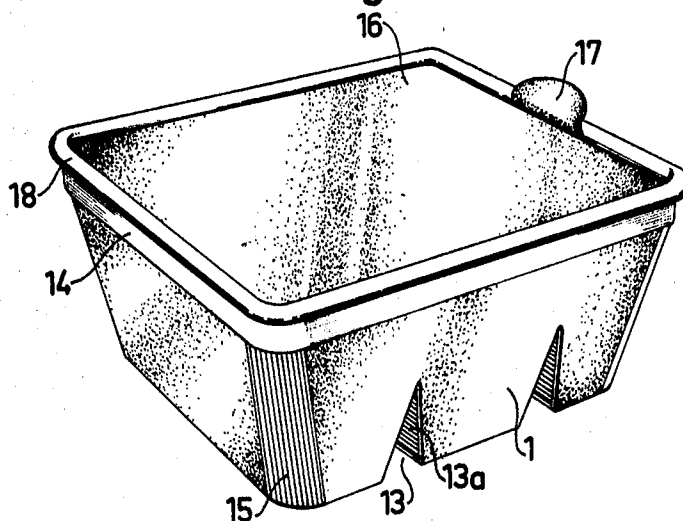
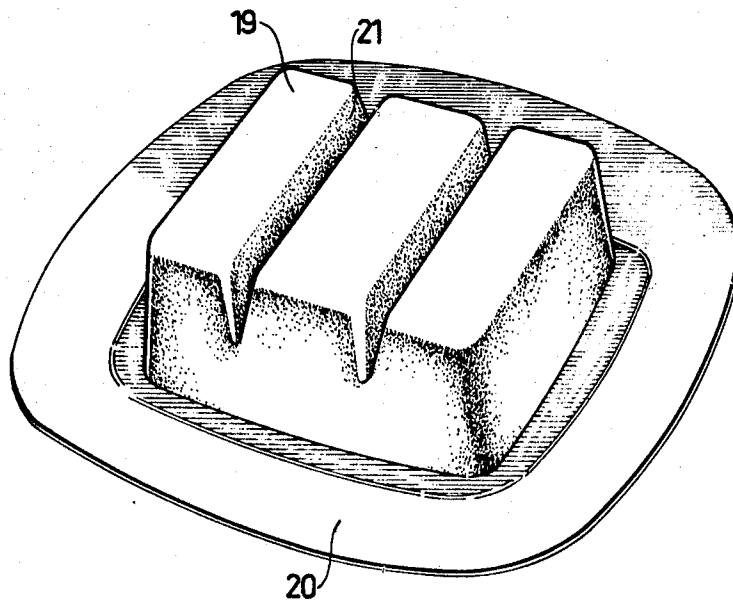


Fig.3



# PACKAGE PREFERABLY INTENDED FOR ICE CREAM AND SIMILAR PRODUCTS

The present invention relates to a package, comprising an outer carton blank and an inner plastic lining deep-drawn by means of vacuum and/or pressure, the carton blank comprising a bottom field and a number, preferably four sidewall fields foldable relative the bottom field.

The package according to the invention is characterized in that the bottom field of the carton blank is broken through by one or several slots, cuts, continuous openings or the like, and in that the plastic lining in front of these slots etc., is formed with ridges, banks or similar elevations, which extend into the package forming recesses therein.

The package as described above is preferably intended for ice cream, puddings or similar product. By this kind of products you derive essential benefits. For instance, if the package is used for ice cream, the filled package is often kept in a hard frozen condition until just before it is going to be used. When the ice cream is going to be consumed, it can, thanks to the invention, easily be pressed out of the package. The upwardly projecting ridges make it possible for the hard ice cream cake to be easily divided into small portions. Through the combination of an inner plastic lining and an outer carton blank you can moreover use a very thin plastic which facilitates the pressing out of the contents. At the same time the outer carton blank is well adapted for attaching a suitable decoration. Furthermore, the manufacture of the package described is made in a simple way in conventional plastic deep-drawing machines which demands only small modifications.

The invention is described in greater detail in the following with reference to the accompanying drawings, which as an example show a preferred embodiment of the subject matter of the invention. At the same time a modified detail is shown in FIG. 1.

FIG. 1 shows hereby a carton blank, which is intended to be used for the package according to the invention.

FIG. 2 shows the finished package.

FIG. 3 finally shows the contents of the package after removal from the package.

The carton blank shown in FIG. 1 comprises a bottom field 2 and four sidewall fields 3, 4, 5 and 6. The bottom field 2 is broken through by a slot or a continuous opening 7. This slot extends at its ends 7a and 7b into the sidewall fields 4 and 6, respectively. Preferably two similar slots 7 are provided. As an alternative you can, however, replace these punched out slots 7 by precreased fields 8, as also shown in FIG. 1. In this case these fields 8 are limited by crease lines 9 and 10. Further the fields 8 are provided with an entirely or partially punched through longitudinal slot 11, and by transverse slots 12. Hereby two longitudinal folding flaps 8a and four triangular folding flaps 8c are made. The flaps 8c are folded into the indentation between the flaps 8a and the plastic lining.

The finished package shown in FIG. 2 is made by placing the carton blank according to FIG. 1 in a mold with the same dimensions as the finished package. This mold has inside ridges corresponding to the recesses or indentations 13. The plastic lining 14 is deep-drawn down into the mold, the lining being preferably attached to the carton blank by means of a layer of adhesive or a lacquer or a similar adhesive material sensitive to the action of heat, this layer being coated onto the

lining and/or the carton blank. Hereby recessions or indentations designated by 13a are formed inside the package. In order to strengthen the free plastic corners 15 these are preferably provided with rifflings or another stiffening pattern. When the package has been filled it is preferably provided with a lid 16 of carton material or plastic. This lid 16 is preferably provided with same suitable tongue 17. In order to keep the lid in its desired place the upper edge 18 of the plastic lining 14 is preferably formed with at least two ribs which are directed inwardly and of which one serves as an underlayer for the lid 16, while the other rib serves to fasten the lid 16.

If precreased fields 8 are used instead of the punched out slots 7, the carton material of the fields 8 is folded up and into the indentations 13. Hereby you derive an extra strengthening of the package.

FIG. 3 finally shows how an ice cream cake 19 packed in the package has been removed and placed on a plate 20. Thanks to the indentations 13 depressions 21 have been provided in the ice cream cake, which are of a special value, when the ice cream is taken out directly from a freezer so that the cake 19 may be easily divided.

If desired the sidewalls of the carton blank may terminate below the top of the completed container and the upper portion of the sidewalls may be composed of the deep-drawn plastic lining.

The invention is of course not restricted to the embodiments described above but may be varied within the scope of the following claims. For instance the recessing of the package can, of course, be made in different ways. One possibility is to form the upper edge of the package with a plainly projecting flange against which a wafer is sealed as a lid. Furthermore the overall design of the package can, of course, be varied within wide limits.

I claim:

1. A traylike carton including an outer layer of carton material having a bottom field and a plurality of sidewall fields, said bottom field having at least one opening therein, and a deep-drawn plastic lining adhesively secured to the inner surface of said carton and including at least one raised portion aligned with said at least one opening in said bottom field and projecting inwardly from the plane thereof.

2. A traylike carton as claimed in claim 1 wherein the at least one opening in the bottom field is a transverse slotted opening extending across the bottom field and into the adjacent sidewall fields.

3. A traylike carton as claimed in claim 1 wherein the at least one opening in the bottom field is formed by at least two flaps folded inwardly along parallel, spaced crease lines provided on said bottom field, whereby the inwardly folded flaps and inner plastic lining secured thereto form a rigid raised portion in said bottom field.

4. A traylike carton as claimed in claim 3 and further including end flaps in the sidewall fields adjacent the ends of said at least one opening, said end flaps being folded inwardly against the inwardly folded flaps of the at least one opening.

5. A traylike carton as claimed in claim 1 wherein the sidewall fields are spaced from each other at the corners of said carton and wherein the plastic lining bridges the corner spaces and has a rifled profile to provide stiffening therefor.

6. A traylike carton as claimed in claim 1 wherein the sidewall fields of the carton terminate below the upper edge of the plastic lining.