

[54] **PILLOW-PACK CARTON BLANK**
[75] Inventor: **Glen Matsuyama**, Los Angeles, Calif.
[73] Assignee: **Graphic Arts Packaging Corp.**, Gardena, Calif.
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[52] **U.S. Cl.**..... **229/8, 229/37, 206/46 R**
[51] **Int. Cl.**..... **B65d 5/08, B65d 3/00**
[58] **Field of Search**..... **229/8, 37; 206/46 R**

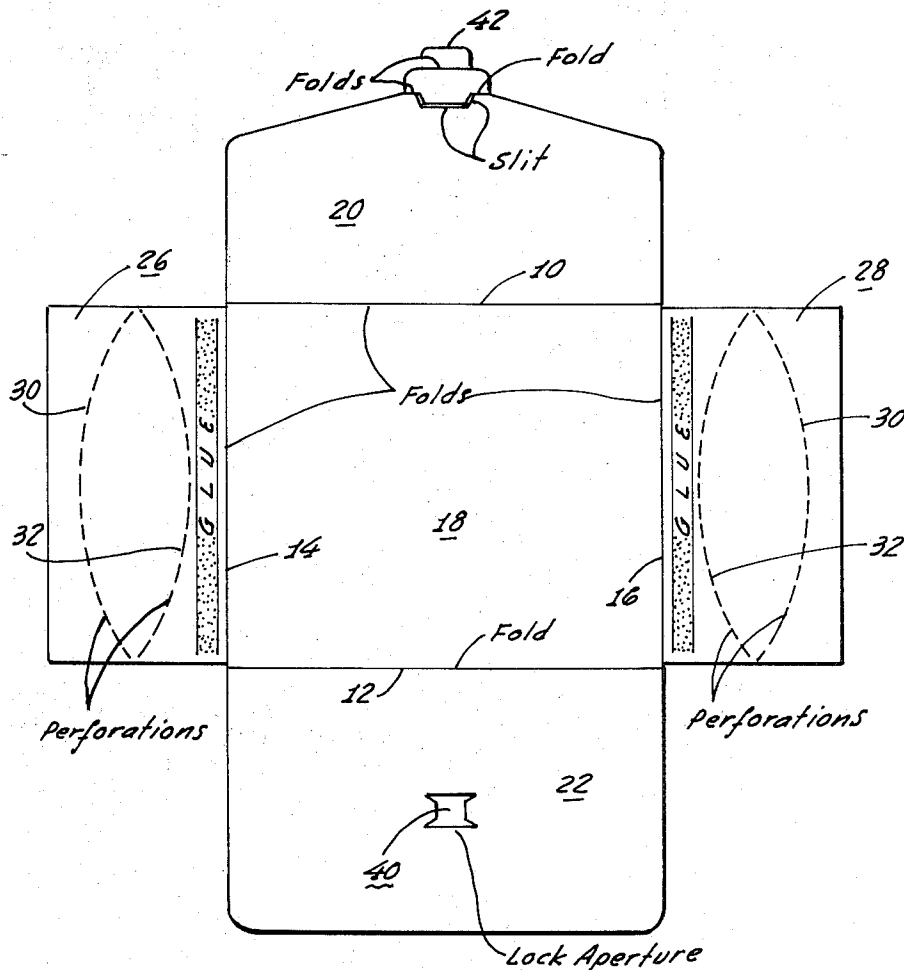
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Primary Examiner—Davis T. Moorhead
Attorney—Keith D. Beecher

[57] **ABSTRACT**
An improved one-piece blank is provided, which may be composed of paperboard or other appropriate material, and which is used in the fabrication of an improved pillow-pack type of package or carton; the carton having a generally ellipsoid configuration with reinforced end walls, and a pair of cover flaps which extend around elliptical surfaces formed by the end walls, the cover flaps including mutual locking means for holding the cover flaps in a closed condition.

4 Claims, 6 Drawing Figures



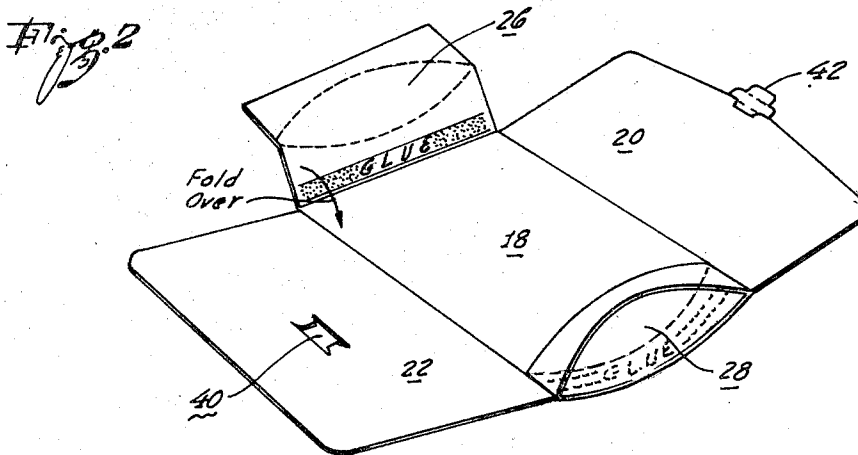
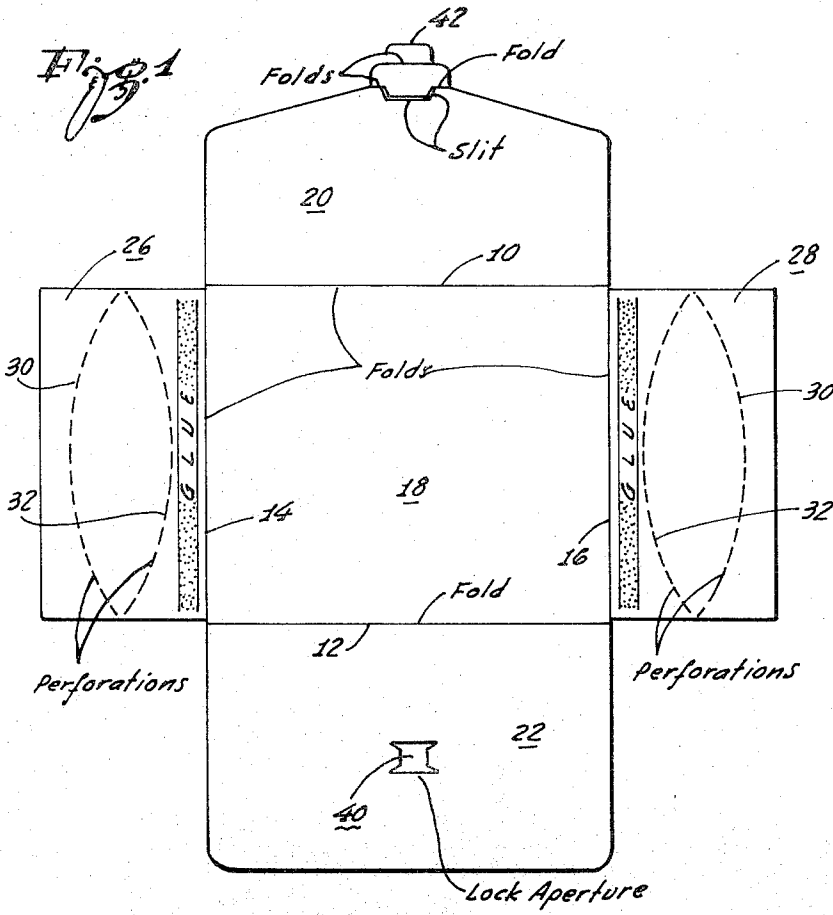


Fig. 3

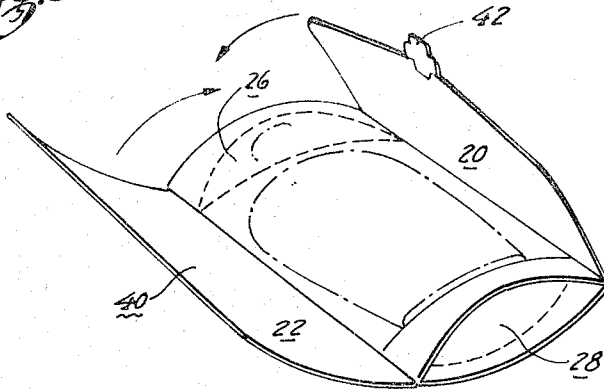


Fig. 5

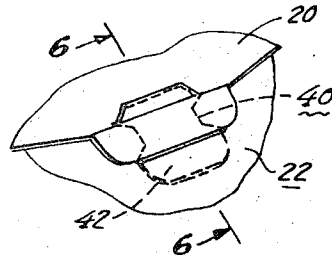


Fig. 4

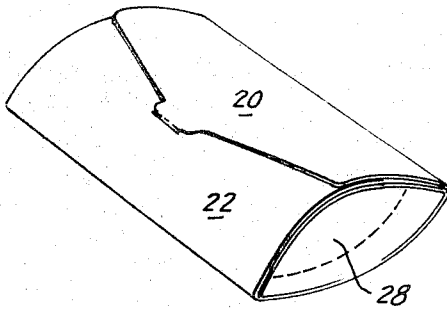
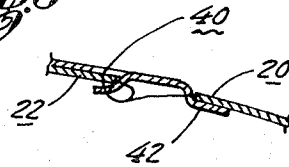


Fig. 6



PILLOW-PACK CARTON BLANK

BACKGROUND OF THE INVENTION

It is usual in the fabrication of paperboard packages of the pillow-pack type to form rear and front walls which are glued to one another to define a carton having a generally elliptical cross-section, and to form a pair of end flaps which fold into the elliptical ends of the carton and which may be opened to provide access into its interior.

The pillow-pack blank of the present invention is appropriately scored and shaped so that it may be glued and shipped flat, and so that the ultimate user may form it into an improved pillow-pack carton with reinforced ends, and with cover flaps overlapping one another. As mentioned above, the cover flaps include locking means to hold them closed, and to permit them to be opened for access into the interior of the carton.

When the blank is formed into a pillow-pack carton, the resulting carton may be stacked with other similar cartons in a horizontal position, or it may be placed on its end for display purposes. The carton may be set up quickly and easily by the user by means of a simple folding operation.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a plan view of a blank representing one embodiment of the invention, and by which a particular type of pillow-pack carton may be formed;

FIG. 2 is a perspective representation of the pillow-pack carton formed from the blank of FIG. 1 in a partially assembled condition, and showing the manner in which portions of the end panels of the pillow-pack are glued down to its rear panel to form the reinforced end walls of the carton;

FIG. 3 is a perspective representation of the pillow-pack carton in its ultimate shape, and in an open condition to reveal its contents;

FIG. 4 is a perspective representation of the pillow-pack carton in a closed condition;

FIG. 5 is a fragmentary view of a locking means which is used to hold the cover flaps of the pillow-pack carton in a closed condition; and

FIG. 6 is a section taken along the lines 6—6 of FIG. 5.

DETAILED DESCRIPTION OF THE ILLUSTRATED EMBODIMENT

As shown in FIG. 1, a one-piece blank is provided which may be formed of paperboard, or other appropriate material. The blank includes a first pair of parallel score lines 10 and 12, and a second pair of parallel score lines 14 and 16 traversing the first pair. The score lines 10, 12, 14 and 16 together define a rear panel 18 for the carton.

The score lines 10 and 12 further define a pair of cover flaps 20 and 22 which overlap one another when the carton is shaped to its ultimate configuration. The score lines 14 and 16 further define end walls or panels

26 and 28. Each of the end walls includes perforated score lines 30 and 32 which define an ellipse which constitutes the ultimate shape of the end wall.

The portion of each end wall 26 and 28 adjacent the respective score lines 14 and 16 are folded down over the adjacent portions of the rear wall 18 about the respective score lines 14 and 16 and glued to the rear wall 18. This operation forms the rear wall into a generally elliptical shape, as best shown by the representation of FIG. 2. The portion of each end wall between the perforated score line 30 and the outer edge thereof is folded outwardly, as also shown in FIG. 2, to constitute an elliptically shaped surface for the cover flaps 20 and 22.

It will be appreciated that, after the aforesaid gluing operation, the end walls 26 and 28 may be folded flat against the rear wall 18, and the cover flaps 20 and 22 folded down flat over the end walls for shipping purposes. Then, the ultimate user merely sets the end walls into the configuration shown in FIG. 2 to form the ellipsoidal pillow-pack carton of the invention.

As shown in FIGS. 1 and 2, a lock aperture 40 is provided in the cover flap 22, and a locking tongue 42 is provided in the cover flap 20, so as to permit the cover flaps to be held in a closed condition, such as shown in FIG. 4, and which are releasable to permit the cover flaps to be opened, as shown in FIG. 3. The details of the mutual locking means 40 and 42 are best shown in FIGS. 5 and 6.

While a particular embodiment of the invention has been described, modifications can be made, and it is intended to cover in the following claims all embodiments which fall within the true spirit and scope of the invention.

What is claimed is:

1. A one-piece blank for forming an ellipsoidal-shaped pillow-pack carton, or the like, having a first pair of parallel score lines and a second pair of parallel score lines traversing said first pair and cooperating therewith to define a rear panel for the carton, said first pair of parallel score lines further defining cover flaps on either side of said rear panel, and said second pair of score lines further defining end walls on either end of said rear panel, each of said end walls including further score lines defining an ellipse to constitute the ultimate peripheral shape of said end walls.

2. The one-piece blank defined in claim 1, in which said cover flaps include mutual locking means formed therein.

3. The one-piece blank defined in claim 1, in which the portion of each of said end walls adjacent said rear panel forms a gluing area to be folded down over the adjacent edge of said rear panel to constitute an elliptical surface for the rear panel.

4. The one-piece blank defined in claim 1, in which the portion of each of said end walls adjacent the outer edge thereof forms a flap ultimately to be turned out to constitute an elliptical surface for the cover flaps.

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