

Nov. 5, 1968

C. J. HALL  
DISPLAY CARTON

3,409,445

Filed Oct. 10, 1966

5 Sheets-Sheet 1

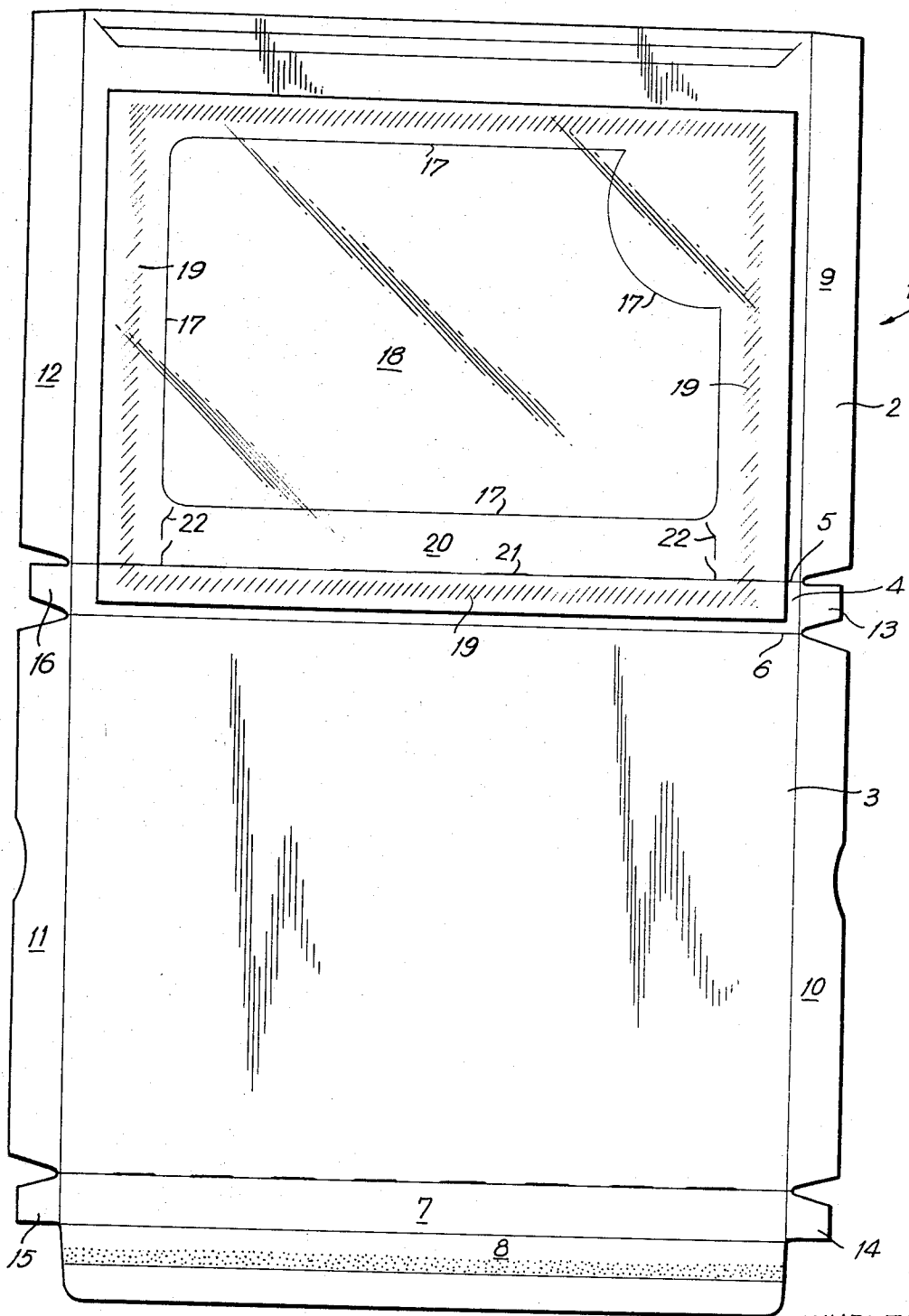


FIG. 1

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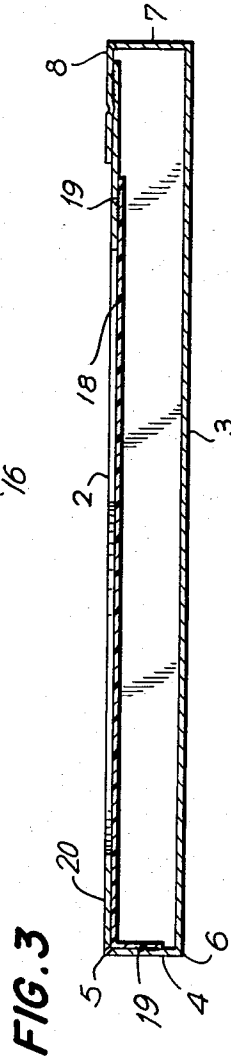
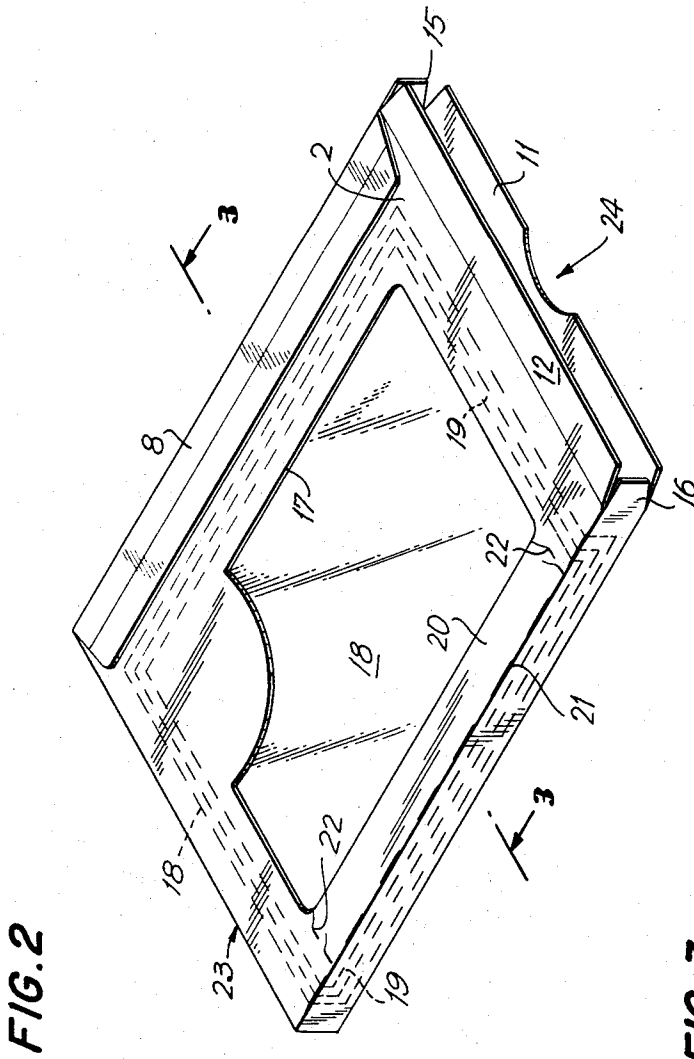
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FIG. 4

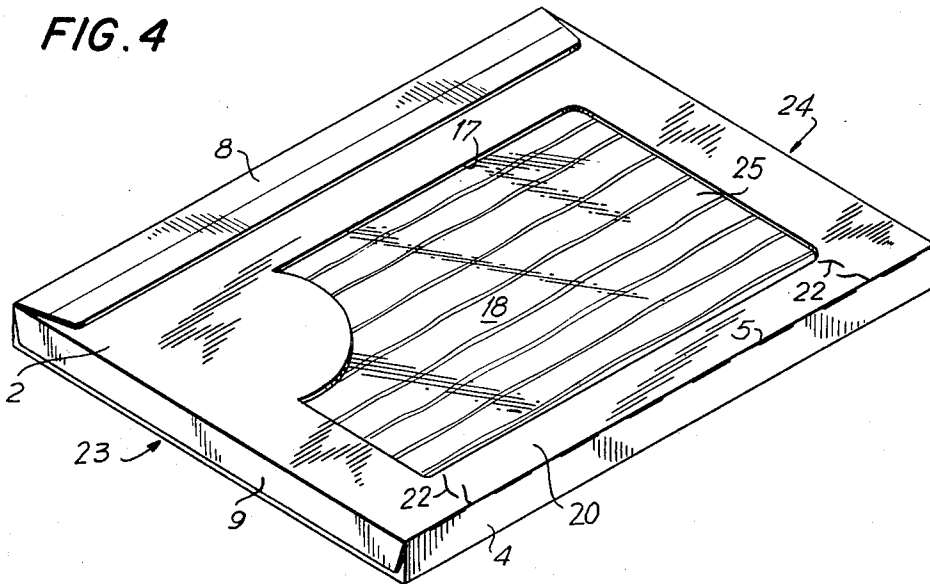
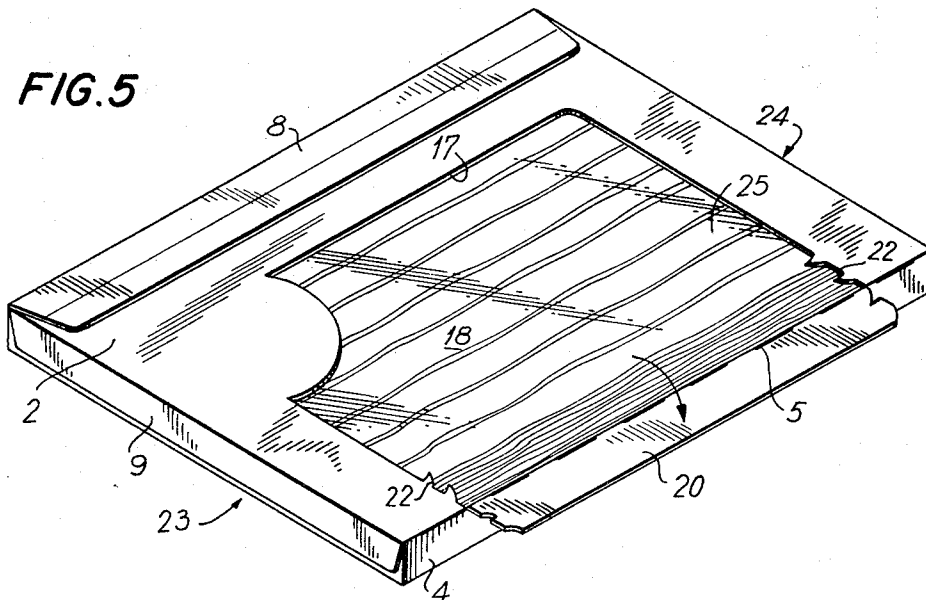


FIG. 5



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FIG. 6

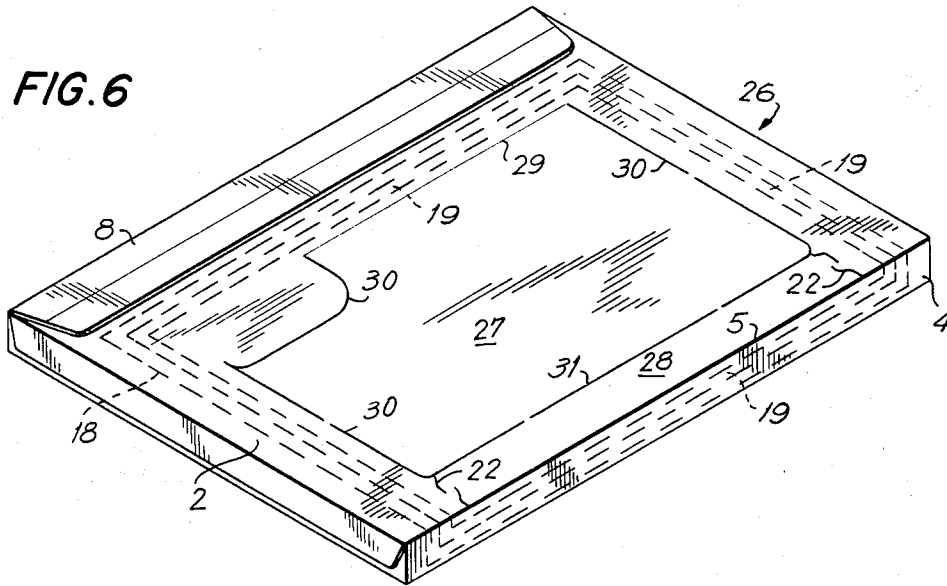
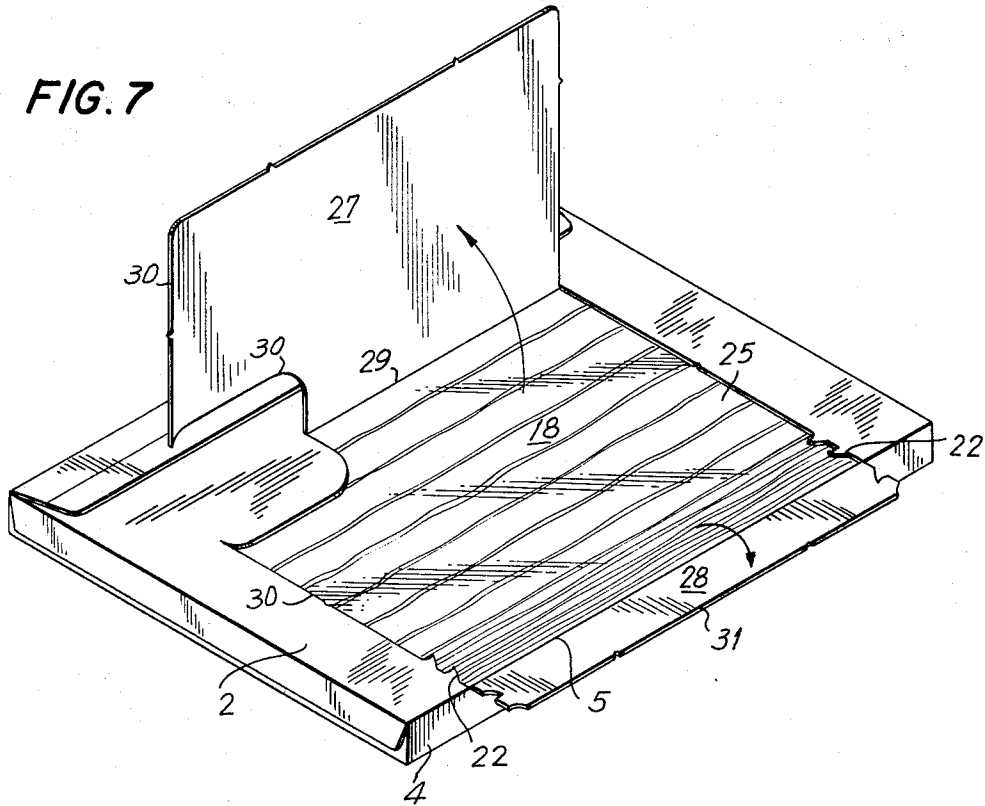


FIG. 7



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FIG. 8

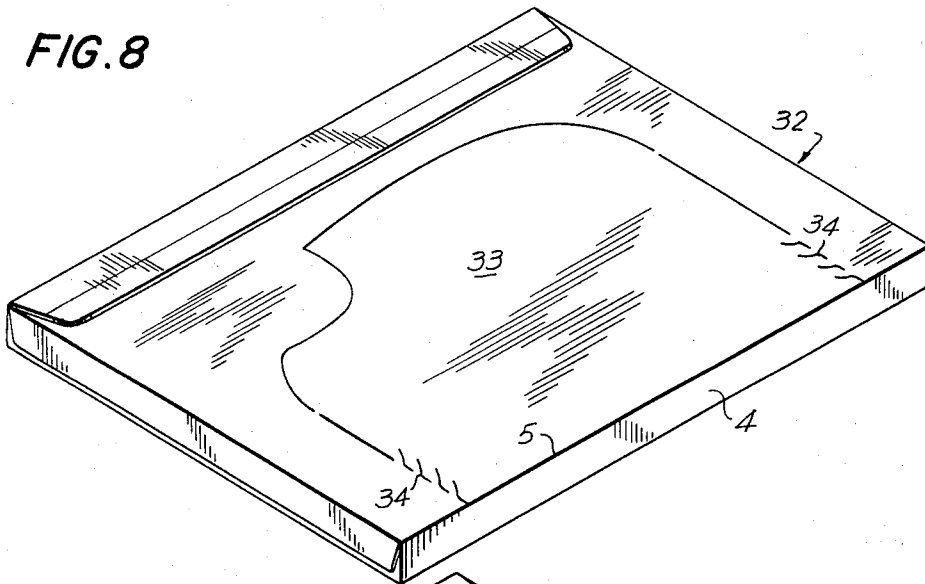
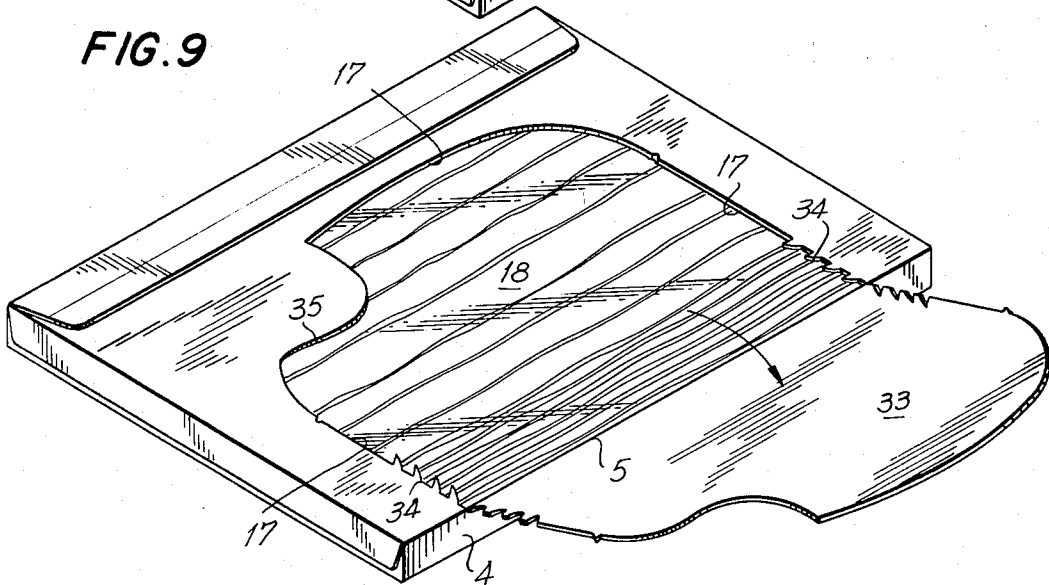


FIG. 9



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3,409,445

**DISPLAY CARTON**

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3 Claims. (Cl. 99-174)

**ABSTRACT OF THE DISCLOSURE**

A display carton for a product such as bacon and the like includes a receptacle for receiving the product and a cover for closing the carton. One wall of the carton includes a window or display area which may or may not be covered by a movable panel of carton material. An inspection flap borders the window area and is movable to permit additional inspection of the product along the marginal edge of the carton.

The present invention relates to packages, and more particularly, to cartons having windows to permit inspection.

A package has greater consumer appeal when the contents of the package can be seen. Windows are incorporated in packages allowing the consumer to see inside the package. Even with windows, however, some packages do not permit a satisfactory view to the inside of the package. For example, bacon is commonly stacked in shingle form before being wrapped and packaged. When seen through a package window, a full view of the bacon is blocked because in shingle stacking the bacon slices obscure each other and the top bacon slice occurs below the window level and is out of sight.

The present invention provides a carton especially constructed so that the contents of the package may be exposed to satisfactory viewing. With bacon, for example, the present invention provides for lifting the portion of the carton bordering the window so that the top bacon slice can be observed.

Accordingly, an object of the present invention is to provide a carton having a structure to permit better viewing of the contents of the package.

Another object of the present invention is to provide a carton having a window wherein the carton structure bordering the window can be lifted to permit a consumer to inspect the interior of the package.

Other and further objects will become apparent upon an understanding of the illustrative embodiments about to be described or will be apparent to one skilled in the art on employment of the invention.

A preferred embodiment of the present invention has been chosen for purposes of illustrating the principles of the present invention and is set forth in the drawings wherein:

FIGURE 1 is a plan view of a blank of sheet material having a window area, which when erected, form a carton according to the present invention;

FIGURE 2 is a perspective view of a carton formed from the blank of FIGURE 1 and having an end closure in the open position for receiving a product such as bacon;

FIGURE 3 is a section view taken along line 3-3 of FIGURE 2 illustrating in particular the position of the carton window with respect to the top and side walls of the carton;

FIGURE 4 is a perspective view of a carton corresponding to FIGURE 2 which has been filled and sealed to form a package;

FIGURE 5 is a perspective view of the carton of FIG-

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URE 4 wherein the inspection flap has been removed to expand the window area and permit better inspection of the contents of the package;

FIGURE 6 is a perspective view of a modified carton according to the present invention;

FIGURE 7 is a perspective view of the carton of FIGURE 6 wherein the inspection flaps of the carton have been lifted to permit better inspection of the contents of the package;

FIGURE 8 is a plan view of another modified carton;

FIGURE 9 is a perspective view of the carton of FIGURE 8 illustrating the inspection flap being lifted to permit better inspection of the contents of the package.

Referring again to the drawings and more particularly to FIGURE 1, the present invention provides a blank 1 of sheet material, preferably polyethylene coated paperboard, which is suitably cut and scored to form, when folded, a carton.

The blank 1 illustrated in FIGURE 1 includes a top panel or wall 2 connected to a bottom panel 3 by a side wall 4 and scored lines 5 and 6. Another side wall 7 and its associated glue flap 8 provide for closing the walls of the carton together as best shown in FIGURES 2 and 3. Suitable panels 9-12 and dust flaps 13-16 provide end closures for the carton.

The top panel 2 of the carton has a central portion cut away to form a window opening 17. A window 18 of suitable transparent material, like cellophane, is secured as by a suitable adhesive 19 to the top panel 2 and the side wall 4 over the window opening 17.

It will be observed that the window 18 is adhered to both the top panel 2 and the adjoining side wall 4. That is to say, adhesive bonds the window to a portion of the top panel bordering the window opening 17 and to the side wall 4. An inspection flap 20 is connected by a scored line 21 to the top edge of the side wall 4 and by lines of weakness 22 to the top panel 2.

FIGURE 2 illustrates the blank 1 after it has been folded into the form of a carton. The glue flap 8 has been adhered to the top panel 2 and one end closure 23 has been formed. The other end closure 24 of the carton in FIGURE 2 is open to receive a product 25 such as bacon (FIGURE 4).

FIGURES 2 and 3 illustrate the position of the window 18 and the adhesive areas 19 with respect to the top and side walls of the carton. As best shown in FIGURE 3 there is no adhesive between the window 18 and the inspection flap 20. Therefore, the inspection flap 20 may be lifted away from the window 18 to permit inspection thereunder. As shown in FIGURE 5 the inspection flap 20 may be torn along the lines of weakness 22 to permit better viewing of the product 25 inside the package, particularly the area under the inspection flap 20.

A modified form of the invention is illustrated in FIGURES 6 and 7. The carton 26 illustrated in FIGURE 6 may be made from a blank 1 identical to that shown in FIGURE 1 except for the arrangement of the inspection flaps 27 and 28. As shown in FIGURES 6 and 7, the window 18 is adhered by an adhesive 19 to the top panel 2 and side wall 4 of the carton 26. The window 18 is covered by an upper inspection flap 27 connected to the top panel 2 by a scored line 29 and by a line of weakness 30. The lower inspection flap 28 is connected to the upper edge of the side wall by a scored line 5 and to the top panel 2 by lines of weakness 22. If desired, a line of weakness 31 may interconnect the inspection flaps 27 and 28. Neither the upper nor the lower inspection flaps are connected to the window. The inspection flaps may be lifted as in FIGURE 7 to expose the product 25 to inspection.

FIGURES 8 and 9 illustrate a further modification of

the present invention. The carton 32 in FIGURES 8 and 9 may be made from the blank 1 of FIGURE 1 and is characterized by a single inspection flap 33 which covers the entire window opening 17. As shown in FIGURE 10, the inspection flap 33 is hingedly connected by a scored line 5 to the top edge of the side wall 4 and is defined by lines of weakness 34 and 35 to permit easy separation and lifting of the inspection flap 33. The window 18 is connected to the top panel 2 and side wall 4 of the modification of FIGURES 9 and 10 in the same manner as the window 18 is secured to the embodiments of FIGURES 1 through 5 and 6 and 7. The inspection flap 33 may be separated along the lines of weakness 34 and 35 and pivoted about the scored line 5 to expose the contents of the package.

It will be apparent that applicant has provided a new and useful package having greater consumer appeal in that it permits inspection of the contents of a package and which has special utility in packaging bacon.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows.

I claim:

1. A display carton having a top wall, a bottom wall, side walls and end closures, a window area in the top wall to permit inspection of the contents of the package, the edges of the window area being spaced from the edges of the top panel, a sheet of transparent material adhered along three edges to a corresponding portion of the top panel surrounding the window area, said sheet material adhered by its fourth edge to a side wall of the package, and a first inspection flap connected by a scored line to the top edge of said side wall and to said top wall by lines of weakness, and a second inspection flap connected to the top wall by a scored line and by lines of weakness.

2. A display carton having a bottom wall and a top wall each of which being connected at their edges to a pair of opposed side walls, and to a pair of opposed end closures, means for closing and opening the carton, a window area in the top wall of the carton, said window area being located intermediate the top wall and in spaced relation from the edges of the top wall, said top wall having a portion of its area defining an inspection flap connected by a score line to the upper edge of one side wall of the carton, said inspection flap being further defined by a marginal edge bordering the window area and lying in spaced relation to said upper edge score line wherein the inspection flap covers a relatively small area adjacent

a marginal edge of the carton so not to interfere with the display characteristic of the window area, a pair of spaced lines of weakness extending between said upper edge score line and said inspection flap marginal edge wherein the inspection flap may be separated from the top wall and pivoted about its score line thereby to expand the window area of the carton and to provide inspection along a marginal area thereof, a sheet of transparent material for covering the window area, said sheet being adhered along a portion of its periphery to the top wall and being adhered along the remainder of its periphery to the side wall which adjoins the inspection flap.

3. A package for displaying a product such as bacon comprising a display carton having a bottom wall and a top wall, a front side wall and a back side wall and a pair of opposed end closures, means for opening the carton, the top wall having a window area located in spaced relation from the edges of the top wall, the top wall having a portion of its area defining an inspection flap connected by a score line to the upper edge of one side wall of the carton, the inspection flap being further defined by a marginal edge bordering the window area and lying in spaced relation to the upper edge score line wherein the inspection flap covers a relatively small area adjacent the marginal edge of the carton, a pair of lines of weakness extending between the upper edge score line and the marginal edge of the inspection flap wherein the inspection flap may be separated from the top panel to permit inspection along the marginal edge portion of the carton, a sheet of transparent material for covering the window area, the sheet being adhered along a portion of its periphery to the top wall and being adhered along another portion of its periphery to the side wall which adjoins the inspection flap, and a shingle of bacon slices within said carton with the shingle arranged so that the top slice occurs beneath the inspection flap whereby moving the inspection flap exposes the top slice of bacon.

#### References Cited

##### UNITED STATES PATENTS

2,826,296	3/1958	Mullinix	206—45.31
2,948,390	8/1960	Wagaman	206—45.31
2,973,086	2/1961	Thompson	206—45.31
3,223,230	12/1965	Bianchi	206—45.31

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