Aug. 16, 1960 T. VANDER LUGT, JR 2,949,221

CARTON

Filed April 27, 1959

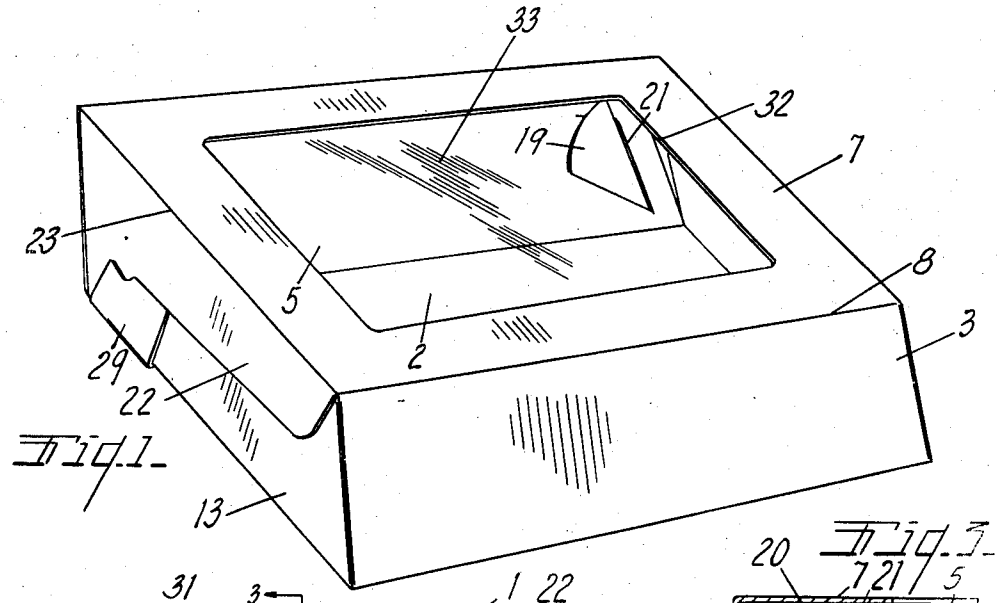


Fig. 1.

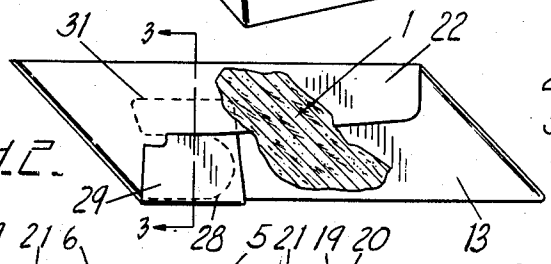


Fig. 2.

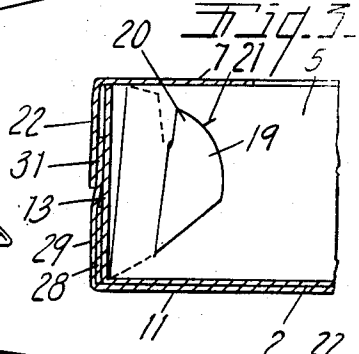


Fig. 3.

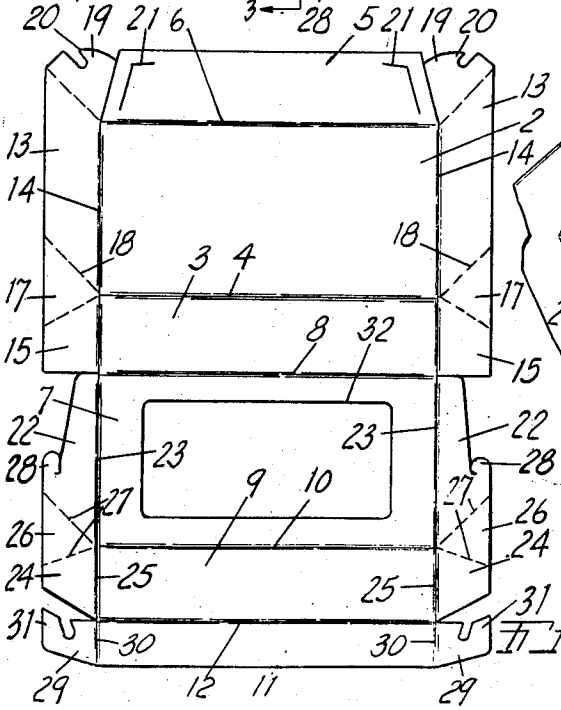


Fig. 5.

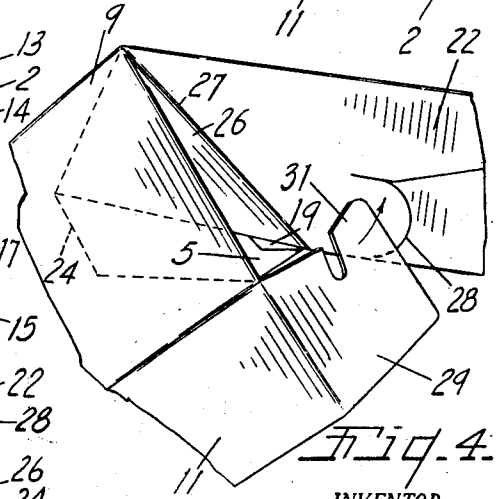


Fig. 4.

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CARTON

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6 Claims. (Cl. 229—40)

This invention relates to improvements in packaging cartons including cartons desirable for packaging products such as sliced bacon and the like which is relatively heavy in proportion to the dimensions of the product.

The main objects of this invention are:

First, to provide a carton for packaging products such as food products which is of generally parallelogram shape viewed endwise and at the same time is effectively resistant to load crushing or distorting stresses.

Second, to provide a carton having these advantages formed of a single cut and scored blank of container board which may be of relatively light stock and is strong and rigid when erected and may be repeatedly handled without distortion.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a front perspective view of an erected carton embodying my invention.

Fig. 2 is an end elevational view thereof, portions being broken away to conventionally illustrate sliced bacon or the like.

Fig. 3 is an enlarged fragmentary view in vertical section on a line corresponding to line 3—3 of Fig. 2.

Fig. 4 is a fragmentary perspective view illustrating steps in erecting the carton.

Fig. 5 is a plan view of the blank, the scoring thereof being conventionally illustrated.

In the accompanying drawing I have illustrated my invention as embodied in a carton adapted for the packaging of sliced bacon or the like which is conventionally illustrated at 1 in Fig. 2 of the drawing.

The embodiment of my invention illustrated comprises a bottom 2, front wall 3 hingedly connected thereto by the score line 4. The inner rear wall member 5 is hingedly connected to the rear edge of the bottom by the folding score 6. The cover 7 is hingedly connected to the front wall by the score 8. At its swinging edge the cover is provided with an outer rear wall member 9 hingedly connected thereto by the hinging score 10. This outer rear wall member 9 is provided on its bottom edge with a closure flap 11 which is hingedly connected thereto by the score 12 and is adapted to be folded upon the underside of the bottom as is illustrated in the drawing.

The inner end wall members 13 are of parallelogram shape and are hingedly connected to the ends of the bottom by the score 14. The front wall 3 is provided with end flaps 15 hingedly connected thereto by the scores 16 and connected to the adjacent ends of the inner end wall members by the foldable flaps 17 defined by the perforations 18, that is, the perforations result in the folding of the parts 17 on predetermined lines.

At their rear ends the inner end wall members 13 are provided with corner locking flaps 19 conformed on their outer edges to provide tongues 20. These tongues 20

are insertable through the angled slits 21 in an inner rear wall member with the tongues lockingly engaging the portions of the rear wall above the angled portions of the slit, as is illustrated in Fig. 3. This provides an effective support for the inner rear wall member and also a support for the inner end wall members as well as providing an effective closed joint between these parts.

The top is provided with outer wall members 22 hingedly connected thereto by the scores 23. These outer wall members are connected to the end flaps 24 which are hingedly connected to the ends of the outer rear wall members by the scores 25 by means of the folding members 26. The outer wall members and the ends flaps 24 are, in effect, continuous, the perforations 27 result in folding on predetermined lines.

The outer end wall members 22 are conformed to provide rear portions of a vertical width substantially corresponding to the vertical width of the inner side wall members and front portions of substantially reduced vertical width. The rear portions are provided with forwardly projecting tongues 28 on their front edges. The closure flap 11 is provided with anchoring flaps 29 at the ends thereof. These flaps 29 are foldable upwardly upon the said rear portions of the outer side wall members and are provided with rearwardly facing tongues 31 interlockingly engageable with the tongues 28 thereof with the upper ends of the anchoring flaps 29 disposed between the inner and outer wall members into supporting engagement with the top. The front edges of these anchoring flaps are exposed for engagement at the outer side wall members, thereby facilitating the closing and the opening of the carton.

In the embodiment illustrated the top wall is provided with a window 32 of substantial size, the window being provided with a transparent closure, conventionally illustrated at 33. With this arrangement of parts the carton may be partially erected the contents placed therein and the cover swung to and secured in closed position. The manual manipulations required are easily and quickly performed.

I have illustrated and described my invention in a highly practical embodiment thereof. I have not attempted to illustrate other adaptations or embodiments which I contemplate as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

What is claimed as new is:

1. A carton having a generally parallelogram transverse contour when erected formed integrally of paperboard cut and scored to provide a bottom, a front wall at one side edge of the bottom and an inner rear wall panel at its other side edge, a top hingedly connected to the upper edge of the front wall and having an outer rear wall panel on its swinging edge dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to be lapped upon the under side of the bottom, inner end wall members of parallelogram contour hingedly connected to said bottom, said inner end wall members and said front wall having inwardly foldable corner flaps hingedly connected thereto, and outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said closure flap having anchoring flaps on its end edges foldable upwardly into overlapping relation to said outer end wall members and interlockingly engageable therewith and having upper end portions disposed on the inner sides thereof with its upper end in downthrust supporting engagement with the top, said inner end wall members being provided at their rear ends with locking flaps having upwardly facing tongues, said inner rear wall member having angled slits therein

positioned to receive said tongues and with which said tongues are interlockingly engaged when the carton is erected.

2. A carton of generally parallelogram transverse contour when erected comprising a bottom, a front wall hingedly connected to the front edge of the bottom, an inner rear wall panel hingedly connected to the rear edge of the bottom, inner end wall members of parallelogram contour hingedly connected to the end edge of the bottom, said inner end wall members and said front wall having inwardly foldable corner flaps hingedly connected thereto, a top hingedly connected to the upper edge of the front wall, an outer rear wall panel hingedly connected to the swinging edge of the cover and dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to lap on the underside of the bottom, and outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said outer end wall members having rear portions of a vertical width substantially corresponding to the vertical width of the inner end wall members and front portions of substantially reduced width, the rear portions having forwardly projecting tongues thereon, said closure flap on said outer rear wall panel having end flaps foldable upwardly upon said outer end wall members and being provided with rearwardly facing tongues interlockingly engageable with said tongues on said outer end wall members with the upper ends of the end flaps disposed between the inner and outer end wall members in supporting engagement with the top, said inner end wall members being provided at their rear ends with locking flaps having upwardly facing tongues, said inner rear wall panel having angled slits therein with which said tongues are interlockingly engaged when the carton is erected.

3. A carton of generally parallelogram transverse contour when erected comprising a bottom, a front wall hingedly connected to the front edge of the bottom, an inner rear wall panel hingedly connected to the rear edge of the bottom, inner end wall members of parallelogram contour hingedly connected to the end edge of the bottom, a top hingedly connected to the upper edge of the front wall, an outer rear wall panel hingedly connected to the swinging edge of the cover and dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to lap on the underside of the bottom, and outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said outer end wall members having rear portions of a vertical width substantially corresponding to the vertical width of the inner end wall members and front portions of substantially reduced width, the rear portions having forwardly projecting tongues thereon, said closure flap on said outer rear wall panel having end flaps foldable upwardly upon said outer end wall members and being provided with rearwardly facing tongues interlockingly engageable with said tongues on said outer end wall members with the upper ends of the end flaps disposed between the inner and outer end wall members in supporting engagement with the top.

4. A carton having a generally parallelogram transverse contour when erected formed integrally of paperboard cut and scored to provide a bottom, a front wall at one side edge of the bottom and an inner rear wall panel at its other side edge, a top hingedly connected to the upper edge of the front wall and having an outer rear wall panel on its swinging edge dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to be lapped upon the underside of the bottom, inner end wall members of parallelogram contour hingedly connected to said bottom, outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said closure flap having anchoring flaps on its end edges foldable upwardly into overlapping relation to said outer end wall members and interlockingly engageable therewith and having upper end portions disposed on the inner sides thereof with their upper ends in downthrust supporting engagement with the top, said inner side wall members being provided at their rear ends with locking flaps having tongues interlockingly engaged with said inner rear wall member when the carton is erected.

5. A carton having a generally parallelogram transverse contour when erected formed integrally of paperboard cut and scored to provide a bottom, a front wall at one side edge of the bottom and an inner rear wall panel at its other side edge, a top hingedly connected to the upper edge of the front wall and having an outer rear wall panel on its swinging edge dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to be lapped upon the underside of the bottom, inner end wall members of parallelogram contour hingedly connected to said bottom, outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said closure flap having anchoring flaps on its end edges foldable upwardly into overlapping relation to said outer end wall members and interlockingly engageable therewith and having upper end portions disposed on the inner sides thereof with their upper ends in downthrust supporting engagement with the top.

6. A carton having a generally parallelogram transverse contour when erected formed integrally of paperboard cut and scored to provide a bottom, a front wall at one side edge of the bottom and an inner rear wall panel at its other side edge, a top hingedly connected to the upper edge of the front wall and having an outer rear wall panel on its swinging edge dimensioned to overlap said inner rear wall panel, said outer rear wall panel having a closure flap on its outer edge adapted to be lapped upon the underside of the bottom, inner end wall members of parallelogram contour hingedly connected to said bottom, outer end wall members hingedly connected to said top for positioning in downwardly projecting overlapping relation to said inner end wall members, said closure flap having anchoring flaps on its end edges foldable upwardly into overlapping relation to said outer side wall members and interlockingly engageable therewith and having upper end portions disposed on the inner sides thereof with its upper end in downthrust supporting engagement with the top.

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