June 16, 1942. G. R. THEW 2,286,879

PACKAGE OR CONTAINER

Filed Nov. 2, 1938

FIG. 1.

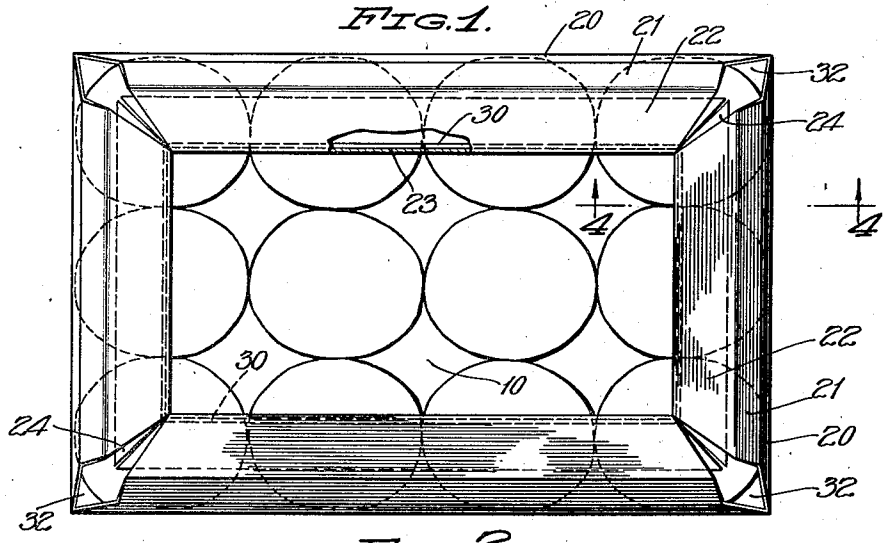


FIG. 2.

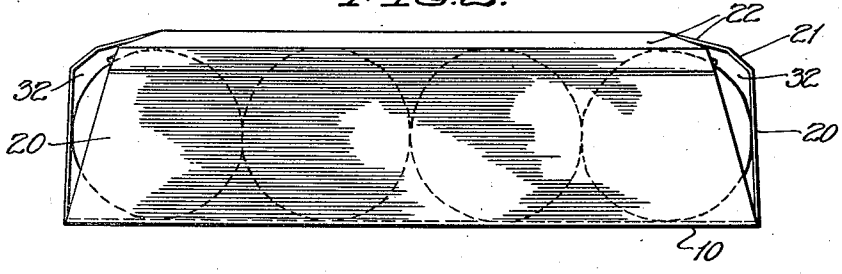


FIG. 3.

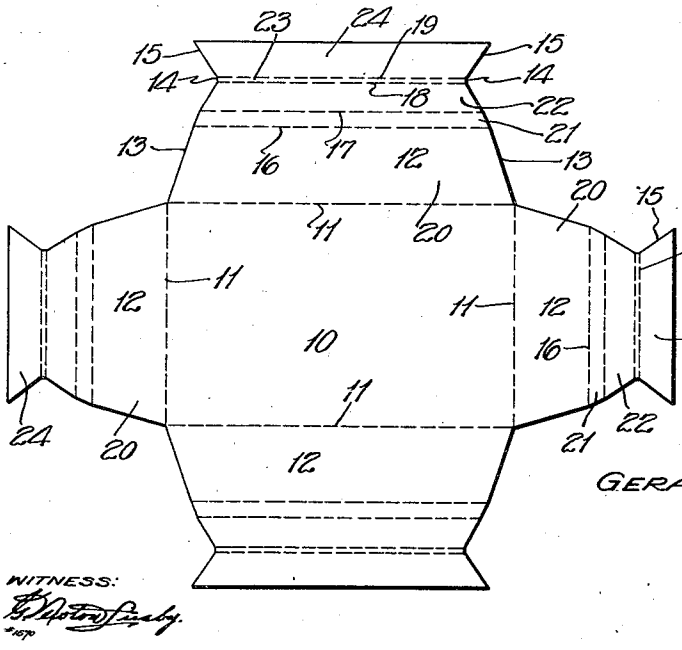
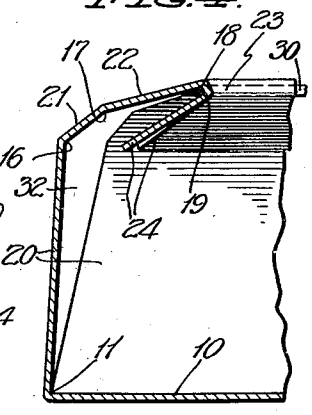


FIG. 4.



WITNESS:

GERALD R. THEW.
INVENTOR

BY Ely & Pattison.
ATTORNEYS

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PACKAGE OR CONTAINER

Gerald R. Thew, Lagrangeville, N. Y.

Application November 2, 1938, Serial No. 238,338

2 Claims. (Cl. 229—30)

This invention relates to new and useful improvements in packages or containers and more particularly it pertains to such devices especially adapted for packing apples or the like, although it is to be understood that it may be employed for packing any articles which it may be desired to pack.

It is one object of the invention to provide a package or container which will be cheap of manufacture and yet will serve the purpose for which it is intended.

It is another object of the invention so to construct the device that it will be simple of operation and manipulation.

Still another object of the invention is to provide a device which is constructed from a single piece of material and which, before it is set-up for use, is capable of storing, shipping or otherwise handling in a flat form.

Still another object of the invention resides in a new and novel construction whereby, although the device is constructed from a single blank or piece of material, it is capable of use with articles of various sizes, of course within limitations.

Still another object of the invention resides in a novel construction whereby regardless of the size of the articles packed in the container or package thorough and complete ventilation of the articles within the package or container is had, thus rendering the device particularly adaptable to the storage and transportation of perishable commodities such as fruit and the like.

Still a further object of the invention resides in a novel construction whereby the articles within the package or container will be adequately displayed.

Devices such as disclosed in the application are often arranged in stacked relation and it is still a further object of the invention so to construct the device that when a plurality of such packages are stacked upon one another, there will be provided a cushion between two adjacent packages which will serve to protect the articles contained in the under package.

Other objects of the invention will become apparent as the nature thereof is better understood and reference will now be had to the following specification and claims and the accompanying drawing, wherein,

Figure 1 is a top plan view of a package or container constructed in accordance with the present invention,

Figure 2 is a view in side elevation thereof,

Figure 3 is a plan view of one form of blank from which the device may be constructed, and;

Figure 4 is a detail sectional view on an enlarged scale taken substantially on the line 4—4 of Figure 1.

A device constructed in accordance with the present invention particularly lends itself to the packing of apples and will hereinafter be referred to as such a device although it is to be understood that it is not to be limited to such use and that it may be employed with other commodities or articles as well.

The container is preferably formed from a single blank of bendable or foldable material of which, cardboard, paper or the like are very good examples.

One form of blank from which the container has been actually formed, is illustrated in Figure 3 of the drawing, the blank comprising a main body portion 10 which, in this form of the invention is of rectangular form.

The body portion 10 is of relatively thin rectangular form and is defined in the blank by crease or score lines 11 which extend through the blank in the manner illustrated in Figure 3.

Projecting from each edge of the body portion of the blank, there is a wing extension 12 and inasmuch as each of these wing extensions 12 is of the same construction, the description of one will suffice for each.

The side edges 13 of each wing extension 12 converge towards each other from their respective score line 11, to points designated 14 on the drawing, from which points, the side edges 13 flare outwardly as designated at 15.

Extending transversely of each of said wing extensions 12, there is a plurality of score lines 16, 17, 18 and 19 which divides each wing extension into panels 20, 21, 22, 23 and 24.

In forming the package or container from a blank such as illustrated and described, the blank is folded upon the several score lines 11 to position the wing extensions in upstanding or substantially right angular relation to the body portion 10.

The wing extensions are each folded upon their respective score lines 16, 17, 18 and 19 and when this has been done, the panels 20 form vertical walls, the two panels 21 and 22 forming an angular, inwardly extending wall which overlies the main body portion in spaced relation thereto, while the panel 24 forms a reversely bent portion underlying the angular, inwardly extending wall, all as illustrated in Figure 4 of the drawing. The reverse bending of the panel 24 provides a

pocket or the like to the rear of the panel **23** for the reception of means for holding the wing extensions in their folded position, which means preferably consists of a continuous elastic band such as **30** in the accompanying drawing.

In addition to providing a pocket for the reception of the securing means **30**, the reversely folded panels **24** provide a cushion for the protection of the contents of the packages or containers when they are stacked one upon another as might happen when placed in storage.

The converging angular side edges **13** of the wing extensions reduce the width thereof as best illustrated in Figure 4 of the drawing and this construction provides, when the wing extensions are folded upon their several score or crease lines in the manner heretofore described, openings or spaces such as designated **32**, at the corners of the package. These spaces or openings provide for free circulation of air through the sides of a package or container, particularly when they are stacked upon one another in storage.

The continuous elastic band **30** serves to retain the wing extensions in their infolded position so that the panels **20** provide upstanding walls which serve to confine the articles within the package or container with the reversely folded panels **24** providing cushions for the said articles. In addition, the securing means being of an elastic character, it permits of yielding of the side walls about their respective crease or score lines **11**, thus rendering the package or container both expansible and contractible within certain limits and thereby rendering the same capable of use for packing articles of various sizes within certain limitations, of course.

From the foregoing, it will be apparent that the present invention provides a device in which the several objects recited are attained, and while the invention has been herein described in its preferred form, it is to be understood that the invention is not to be limited to the specific form and construction herein illustrated and that it may be practiced in such other forms as rightfully fall within the scope of the appended claims.

Having thus described the invention, what is claimed as new, is:

1. A box of the type described comprising a bottom wall, a plurality of independent side walls hingedly connected to the bottom wall, each of said side walls having angular side edges converging in the direction of its outer end, each of said side walls being folded transversely thereof to provide an inwardly extending portion overlying the bottom wall of the box, an outwardly and downwardly extending free end and an intervening channel, the channels of the several side walls forming a substantially continuous peripheral channel when the side walls are in box forming position, and a contracting elastic member extending throughout said peripheral channel and serving to retain the side walls yieldingly in box forming position.

2. A box of the type described comprising a bottom wall and a plurality of side walls hingedly connected thereto, each of said side walls having an upright portion, an inwardly extending portion and a downwardly and outwardly extending free end when the walls are in their box forming position, the downwardly and outwardly extending free ends forming a peripherally extending channel, and a contracting elastic member extending throughout the peripheral channel to retain the side walls yieldingly in their box forming positions, the side edges of each of the side walls converging in the direction of the free end to provide ventilating openings and to permit of independent movement of the side walls when in their box forming positions.

GERALD R. THEW.