Oct. 11, 1932. T. H. GAGEN 1,881,464

CARTON

Filed Sept. 2, 1930

Fig. 3.

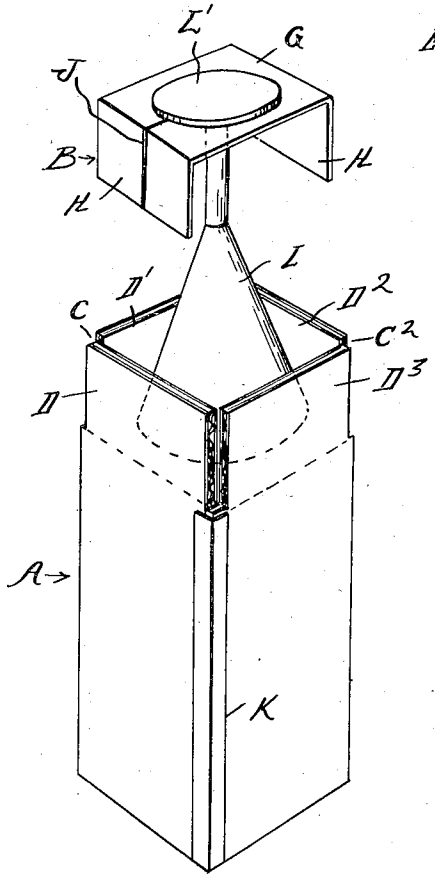
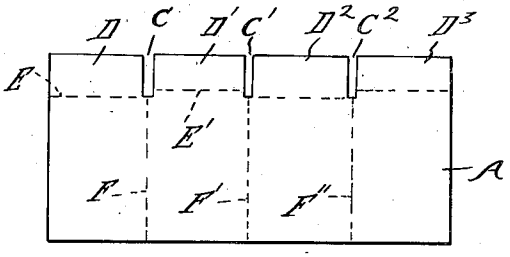


Fig. 1.



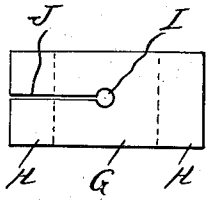
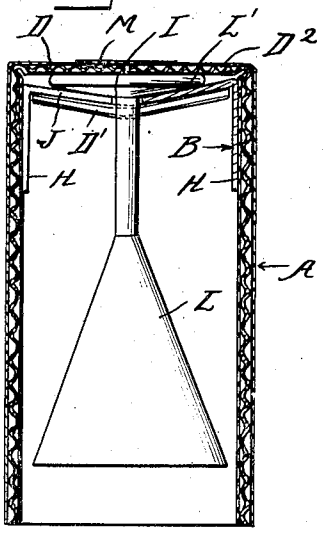


Fig. 2.

Fig. 4.



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UNITED STATES PATENT OFFICE

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CARTON

Application filed September 2, 1930. Serial No. 479,338.

This invention relates to cartons designed for the shipment of fragile articles, such, for instance, as goblets.

It is the object of the invention to obtain a construction of standard dimensions which is adapted to receive articles of varying dimensions.

It is a further object to resiliently suspend the articles within the container in such a manner as to avoid transmission of shocks thereto.

With these objects in view, the invention consists in the construction as hereinafter set forth.

In the drawing:

Figures 1 and 2 are plan views of the tool blanks from which my improved carton is formed.

Figure 3 is a perspective view showing the manner of assembling the parts.

Figure 4 is a vertical central section showing the carton with the articles suspended therein.

My improvement comprises two members A and B, each formed of paper board. The member A is preferably formed of double-faced corrugated paper board and is of dimensions to form the four sides of a rectangular container and foldable flaps projecting from one end of each side. As shown, in Figure 1, the member A is slotted at C, C′ and C^2 between the flaps D, D′, D^2 and D^3 and is scored along lines E and E′ to facilitate the inward bending of said flaps; also along lines F, F′ and F^2 to facilitate the bending of the blank into rectangular form. The blank B is of dimensions to form a rectangular central portion G adapted to fit between the sides of the member A and foldable flaps H on opposite sides thereof. At the center of the portion G is an aperture I for receiving the stem of the goblet and a slot J extends from said aperture to one end of the blank.

The blanks, as above described, are assembled as follows:

The sides of the blank A are first folded into rectangular form and the adjoining edges connected by suitable means such as the tape K. The stem of the inverted goblet L is then inserted through the slot J into the aperture I and the flaps H are bent downward. The goblet is then lowered into the rectangular member A and two of the opposite flaps D and D^2 are folded to extend beneath the central portion G of the member B, while the flaps H enter the receptacle and engage the inner sides thereof. The other pair of flaps D′, D^3 are then folded over the member B and the base portion L′ of the goblet and are secured to each other by a tape M.

With the construction above described, the flaps D, D^2 form a resilient cushion upon which the portion G of the blank B is supported, while the flaps H hold the blank B from lateral movement and center the goblet within the outer receptacle. It is immaterial whether the dimensions of the goblet correspond with the inner dimensions of the container or are smaller and thus, a standard size may be adopted for use in packing articles of varying dimensions. As the goblet is suspended, it is protected from side impacts. Also, in case of any shock, such as occasioned by the dropping of the container, the resiliency of the flaps D, D^2 will permit sufficient yielding to avoid over-stressing of the stem.

The individual holders or containers, as above described, may be readily packed in an outer casing or carton of any suitable construction (not shown).

What I claim as my invention is:

1. A carton for holding fragile articles, each having a base and a stem of reduced diameter extending therefrom comprising an outer polygonal container for receiving the inverted article, said container having foldable flaps at its upper end, certain of said flaps being folded under the base of the article and certain of the flaps being folded over the same to form a resilient suspensory support and means for holding said base in engagement with said flaps.

2. A carton for fragile articles, each having a base and a stem of reduced diameter extending therefrom comprising an outer polygonal container for receiving the inverted article, said container having foldable flaps at its upper end, certain of which

are folded under and others folded over said base to form a resilient suspensory support therefor, and a member engaging the stem of said article arranged between said under and over flaps and centering the article within the outer container.

3. A carton for individual fragile articles, each having a base and a stem of reduced diameter extending therefrom comprising an outer polygonal container for receiving the inverted article, said container having foldable flaps at its upper end, certain of which extend under and others extend over the base of the article, and a member apertured and slotted to engage the stem of said article and arranged between said under and over flaps, said member corresponding in form and dimensions to the horizontal cross sectional area of said container to center the article therein and to provide a resilient suspensory support therefor.

4. A carton for holding fragile articles, each having a base and a stem of reduced diameter extending therefrom comprising an outer open-ended container formed of corrugated paper board adapted to receive the inverted article, said container being provided at its upper end with foldable flaps, certain of which extend under and others extend over said base, and a member having a central portion corresponding to the horizontal cross sectional area of said outer container and provided with depending flaps, said member being apertured and slotted to engage the stem of the article and having its central portion arranged between said under and upper flaps and the depending flaps thereof extending downward within said outer container.

In testimony whereof I affix my signature.

THOMAS H. GAGEN.