

May 19, 1953

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2,639,081

ARTICLE HOLDING INSERT FOR CARTONS

Filed Oct. 6, 1949

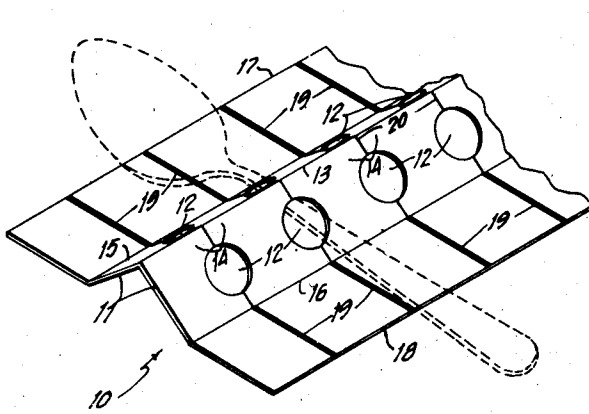


FIG. 3

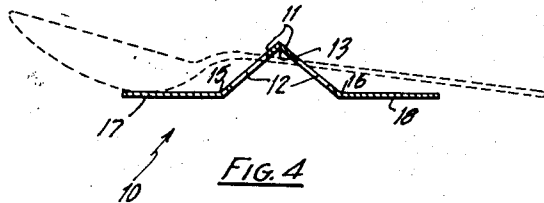


FIG. 4

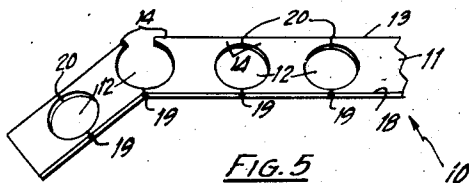


FIG. 5

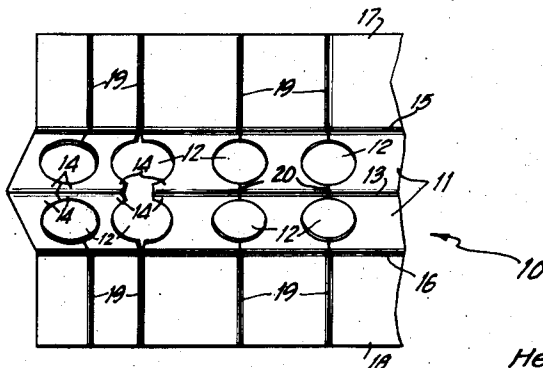


FIG. 6

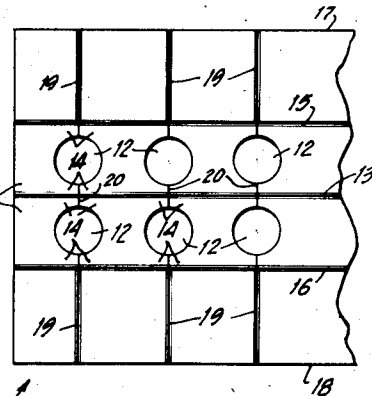


FIG. 1

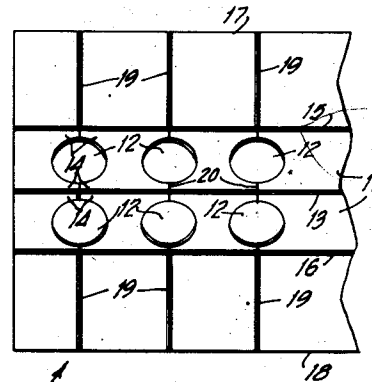


FIG. 2

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UNITED STATES PATENT OFFICE

2,639,081

ARTICLE HOLDING INSERT FOR CARTONS

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Application October 6, 1949, Serial No. 119,876

1 Claim. (Cl. 229—42)

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This invention relates to article holding inserts for cartons, having particularly reference to an apertured insert which is bendable and separable across its article holding portion, thereby readily permitting the same to be opened to receive the article within the apertured portion, and then closed interlockingly to engage the same, and the provision of such an insert is the principal object of the invention.

Conventional inserts of this general type are provided with apertured portions that are not separable and which are adapted only slidably to receive the articles therein. This is a matter of some inconvenience since only certain types of articles can be accommodated by such inserts and the inserts are therefore limited as to size, construction and adaptability. Other similar inserts have notched portions into which the articles can be placed, but they are not adapted interlockingly to engage the articles and hold them in place and there is always present the danger that they will fall out of their position in the carton, especially when placed in an upright or inclined position for display purposes.

More specifically, therefore, it is another object of the invention to overcome the foregoing difficulties and disadvantages and to provide an insert having spaced, aligned apertures therein disposed along opposite sides of an axis thereof, and provided with article retaining sections lying along said axis with openings connecting the apertures, so that the sections readily can be separated to permit an article to be located in the aligned apertures and the sections returned to closed position overlying the article interlockingly to hold the same in the insert.

Another object of the invention is to provide such an article holding insert having extension members laterally connected to the article holding portion adapted to rest on the bottom of the carton and to abut the walls thereof to aid in securing the article holding portion in upraised position.

Another object of the invention is to provide such an article holding insert having longitudinal rows of such apertures to hold a plurality of articles, with a score line running along the axis between said rows, whereby the article holding section readily can be bent to upright angular position.

Another object of the invention is to provide such an article holding insert in which parallel score lines are arranged along the extension members perpendicularly to the apertures in order that the article retaining sections readily

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can be separated to receive articles in the apertures.

Other objects of the invention will in part be obvious and will in part appear hereinafter.

The invention accordingly comprises an article holding insert possessing the features, properties, and the relation of elements which will be exemplified in the device hereinafter described and the scope of the application of which will be indicated in the claim.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description taken in connection with the accompanying drawing, in which—

Fig. 1 is a plan view of a fragmentary portion of an article holding insert embodied by the invention;

Fig. 2 is a view similar to Fig. 1 illustrating an intermediate article holding portion thereof in upraised position;

Fig. 3 is a perspective view of Fig. 2 illustrating an article in dotted line position locked within the insert;

Fig. 4 is a transverse sectional view of Fig. 3;

Fig. 5 is a side elevational view illustrating the insert transversely bent in article-receiving position; and

Fig. 6 is a plan view of Fig. 5.

Referring more particularly to the drawing, there is shown generally at 10 an article holding insert adapted for use with any suitable carton, especially a display type carton, in which articles held in position by the insert can be exhibited even when the carton with such an insert and articles secured therein is placed in an upright or inclined position.

The insert preferably comprises a die-cut and scored blank with an intermediate article holding portion 11. This portion is provided with spaced, aligned apertures 12 disposed on opposite sides of one axis of the blank. A score line 13 runs along said axis between said apertures with the portions therebetween constituting article holding sections 14 which are adapted interlockingly to hold articles placed in position within the apertures.

On opposite sides of the apertures are located parallel score lines 15 and 16 and these define the area of the article holding portion.

Outwardly projecting from the article holding portion 11 are extension members 17 and 18 and these are provided with parallel score lines 19 which are arranged normal to the apertures 12.

It will be observed that the article holding sections 14 are provided by a slit or opening 20 connecting each of the apertures so that each section 14 can be separated to receive an article in the apertures as illustrated in the drawing.

When the insert is put to use, the intermediate portion 11 is bent along the score line 13, and along the score lines 15 and 16 in such a manner that this portion assumes an upraised or angular position. Thereafter the insert is bent along any of the score lines 19 aligned with the apertures 12, as shown in Figs. 5 and 6, to separate the article holding sections 14 for the reception of one or more of said articles. Immediately upon receipt of each article, the insert is returned to its unopened position so that the sections 14 will surround the article and interlockingly engage the same and hold it positively in fixed position.

The extension members 17 and 18 also aid in holding the intermediate article holding portion 11 in raised position and when placed in the carton the insert will rest along the bottom thereof. The extensions 17 and 18 are preferably of such width that they will engage or abut the side walls or other portions of the carton, whereby the entire arrangement may be securely held in position therein. However, they may be of a shorter width than the article as shown in the drawing, of the same width, or of even a greater width depending on the nature of the carton for which the insert is intended and the type of article to be accommodated.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claim is intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language might be said to fall therebetween.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

An article holding insert for a carton comprising a blank of bendable material having spaced parallel longitudinally extending score lines defining an intermediate article holding portion provided with spaced aligned openings therein disposed along opposite sides of one axis thereof, and adapted to receive articles therein transversely of said axis, extension members connected to opposite sides of said article holding portion lying in a single plane adapted to rest on the bottom of said carton and against the walls thereof to maintain said article holding portion in angular upraised position, said article holding portion having article retaining sections lying along said axis between said aligned openings, spaced slits traversing said article holding portion from one score line to the other including said article retaining sections, said slits extending diametrically across said aligned openings, and score lines traversing said extension members in alignment with said slits, whereby said insert can be bent transversely of said axis so that said article retaining sections readily can be separated to receive said articles in said openings.

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