Oct. 5, 1954 H. M. ROBINSON 2,690,839

PACKAGE

Filed June 10, 1950

Fig. 1

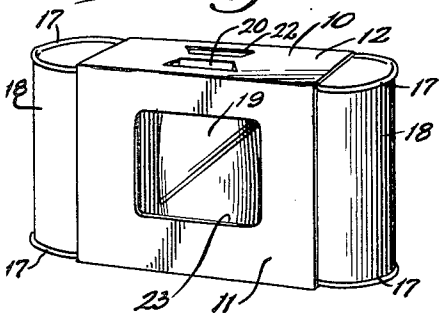


Fig. 2

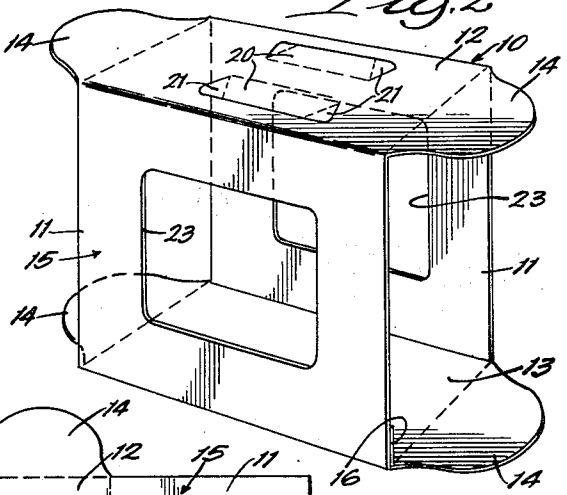


Fig. 3

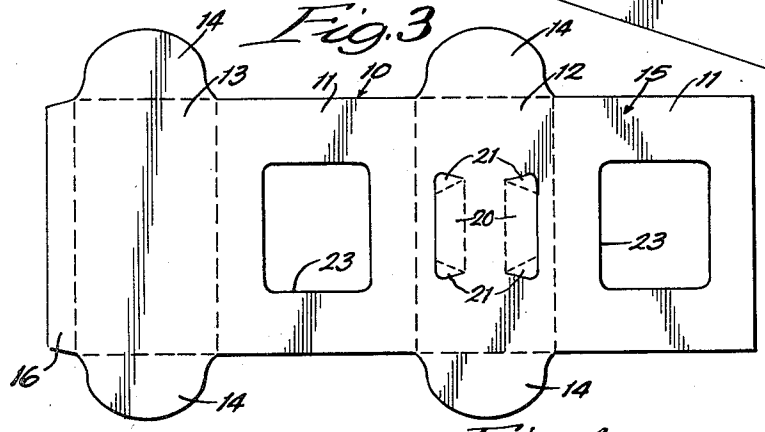


Fig. 4

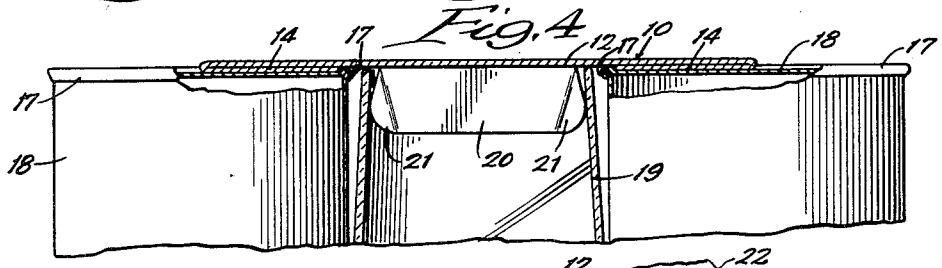


Fig. 5

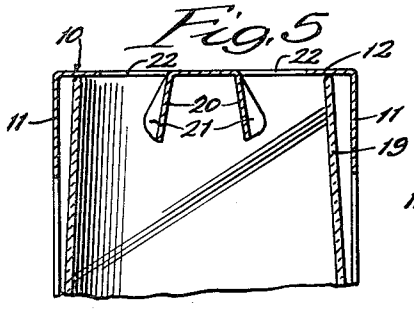
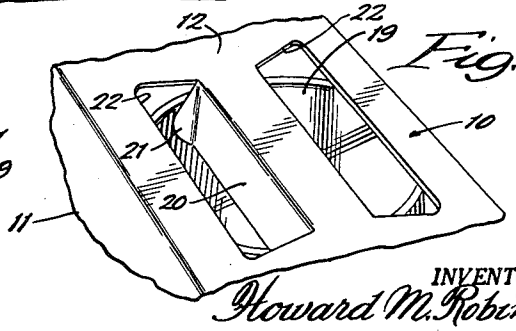


Fig. 6



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UNITED STATES PATENT OFFICE

2,690,839

PACKAGE

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Application June 10, 1950, Serial No. 167,281

3 Claims. (Cl. 206—47)

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This invention relates to a package, and more particularly to a package for containers and the like. The invention is useful in the packaging and display of cans and articles held therebetween. The package will also be found to be useful for other purposes.

An object of the invention is to provide a structure in which products such as filled cans, etc. may be securely held within a box or other package, while at the same time providing space therebetween for receiving cans or articles, etc. Yet another object is to provide a package in which cans or containers are securely held within a package while at the same time enabling a can or container to be readily removed. A still further object is to provide a package in which containers or cans are held in the end portions of the package while providing a can or article in the space therebetween, together with means for independently displaying or locking into position the intermediate object. A still further object is to provide a box or package of unique design and serving new uses which will be hereinafter described. Other objects and advantages will appear as the specification proceeds.

The invention is shown in an illustrated embodiment by the accompanying drawing, in which—

Fig. 1 is a perspective view of a package embodying my invention; Fig. 2, a perspective view on an enlarged scale of the box or package frame prior to the introduction of objects therein; Fig. 3, a plan view of a cardboard blank prior to the folding and forming thereof into the box shown in Fig. 2; Fig. 4, a broken vertical sectional view of the filled package shown in Fig. 1; Fig. 5, a broken transverse vertical sectional view; and Fig. 6, a broken detail perspective view of a portion of the top of the box or package.

In the illustration given, and as shown best in Fig. 2, I prefer a box 10 having vertical side walls 11 and horizontal side walls 12 and 13. The walls 12 and 13 are extended on each side to provide locking flaps 14.

The above-described box may be formed from a die-cut blank or strip 15 as shown in Fig. 3, the attachment flap 16 being united by adhesive to the inner surface of a side wall 11.

The locking flaps 14 may be turned inwardly, as illustrated in Fig. 4, so as to engage the raised annular bead 17 of the can or container 18, and thus to lock it against movement outwardly.

In the space between the cans 18 I may place any article, as, for example, a can similar to 18, or a drinking glass 19, as illustrated in Figs. 4, 5 and 6. Instead of a glass, a pitcher, cup, or many other articles such as sponges, towels, etc. may be used to fill this space.

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In order to anchor the glass or other vessel centrally within the package, I prefer to strike locking flaps 20 downwardly from the horizontal side wall 12 and preferably the corner portions of the flaps 20 are folded slightly along the diagonal lines 21, which may be scored to facilitate such folding. The folding of the tips 21 permit the flaps 20 to enter readily the vessel, and at the same time the folded portions provide a wider point of contact with the vessel and thus assist in stabilizing the vessel against sidewise movement. The striking of the segments downwardly provide apertures 22 in the top or horizontal side wall 12. These apertures 22 are useful not only in exposing the article therebelow and in providing access thereto, but also facilitate the removal of the cans 18, as will be later described.

There is some difficulty encountered in the removal of the cans 18 expeditiously. For example, if it is desired to remove a can for examination and then to reinsert it within the package, often considerable trouble is experienced in removing the can without damaging the package. I have found that the cans can be removed with great ease without in any way damaging the locking flaps, etc. by providing a side window or aperture 23 in a wall 11 of the package. I prefer to employ an aperture 23 in each of the walls 11 but one of the apertures may be sufficient for the functions that will be described.

In order to remove one of the cans 18, it is merely necessary to insert a flat object under the locking flap 14 and over the inner bead 17 of the can. The user, by inserting his finger through the aperture 23, may then press the can forwardly so as to bring the bead of the can under the flap 14. The other locking flap 14 may be likewise freed from engagement with the bead and the user by continuing the pressure forwardly on the cans slides the can over the locking flaps and outwardly. The flaps 14 may then be drawn outwardly and the glass or other article and the can on the opposite side may be then drawn out through the opened end of the package.

The apertures 22 also provide a means for entering the package to press a can outwardly after the insertion of the flat instrument, but I prefer to employ the openings 23 because there is provided in the area next to the round can a vertical open space for receiving the fingers and permitting the tilting of the can when the top edge of the can is released from the locking flap 14 and

then for pressing the can outwardly when the lower flap **14** is released.

The flaps **20** entering the recess of the glass, pitcher, or other vessel, or a recess in any other object, are highly useful in holding the article in a position where it presses against the cans and thus holds them firmly in position against the locking flaps **14**. There is thus no tendency for the products of the package to slide back and forth during transit or handling.

While in the foregoing specification I have set forth a specific structure in considerable detail for the purpose of illustrating the invention, it will be understood that the details may be varied widely by those skilled in the art without departing from the spirit of my invention.

I claim:

1. A container package, comprising a box having open ends, cans provided at their ends with beads and received in the end portions of said box, said box having end flaps folded inwardly to engage the beads of said cans to restrain them against outward movement, and a vessel within said box and bearing against said cans to maintain them in outwardly-urged relation bearing against the flaps of said box flaps, and means

for locking said vessel against lateral movement within said box, said means comprising inwardly-turned, spaced flaps struck from the top of said box and engaging the inner walls of said vessel, the planes of said flaps being parallel to the sides of said box.

2. The structure of claim 1, in which the ends of said flaps are turned laterally into engagement with the side walls of said vessel.

3. The structure of claim 1 in which said flaps are provided with rounded edge portions.

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