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(54) SIGHT PACKAGE FOR FRAGILE OBJECTS

(71) We, AKTIESELSKABET BRODRENE HARTMANN, a Danish Company of 203—205, Klampenborgvej, DK-2800 Lyngby, Denmark, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to a sight package for fragile objects.

A known sight package for fragile objects, especially eggs, consists of a container and a cover flexibly jointed thereto, where the container comprises a number of pockets for accommodation of the said objects, these pockets being arranged in at least two parallel rows, and projections rising between the rows of pockets, while the cover has at least two gable sections running parallel to the rows of pockets and a lower cover section located between two adjacent gable sections and interconnecting the lower edges of opposite sides of such adjacent gable sections, the said cover having a number of holes corresponding to the number of pockets in the container, these holes being provided in said lower cover section and in the adjoining sides of the cover gable sections in such a way as to be positioned over the corresponding pockets in the said container when the cover is closed on the container.

When the package is closed the cover gable sections are positioned above the rows of pockets and a certain part of each of the said objects becomes visible through the said holes, which part may also be kept in place and limited by the hole rim, this being achieved by the upper portion of the gable section of a closed package having a higher, and the lower cover section having a lower location relative to the said upper part of the object placed in the container, and by the upper portion of the cover gable section being narrower than the said upper part of the objects.

The present invention provides a sight package for fragile objects, for example eggs, consisting of a container and a cover flexibly

joined thereto, where the container comprises a number of pockets for the accommodation of the said objects, the pockets being arranged in at least two parallel rows, and projections rising between the rows of pockets, while the cover has at least two gable sections running parallel to the rows of pockets, and a lower cover section located between two adjacent gable sections and interconnecting the lower edges of opposite sides of the adjacent gable sections, the said cover having a number of holes corresponding to the number of pockets in the container, the said holes being provided in the said lower cover section and the adjoining sides of the said gable sections in such a way as to be positioned over the corresponding pockets in the said container when the cover is closed on the container, characterized in that an upwardly extending bulkhead is provided at both ends of the lower cover section and adjoins the longitudinal sides of the gable sections facing the lower cover section, each bulkhead having therein one of the holes in each of the regions where it adjoins the longitudinal sides, each hole extending into the lower cover section and into the adjoining side of the corresponding gable section, the outer wall of the cover surrounding the said bulkhead in a corrugated configuration in such a way as to closely approach the bulkhead between its holes.

In this way also, objects placed in the package at the ends of the said rows can satisfactorily be displayed for visual inspection although the recess in the cover, formed by the cover central section is closed at the package ends by bulkheads. The bulkheads can provide safety and stiffness. Objects placed in pockets at the ends of the rows are thus visible by an angle-shaped hole and retained by the hole rims extending through the gable longitudinal side, the bulkhead, and the recessed section. These objects can thus be retained by the hole rims in just the same way as other objects not at the ends of the rows. It is preferred that, for each hole in the bulkheads, the parts of the rim in the

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bulkhead, in the cover section and the side of the gable section are continuations of each other. At their side remote from said holes objects placed in the pockets at the row ends are particularly well embraced by the corrugated shape of the cover outer wall.

By way of example only, an illustrative embodiment of the invention will now be described with reference to the accompanying drawings, in which:

Fig. 1 shows an embodiment of a sight package in open state, and

Fig. 2 is an enlarged view of one end of the cover.

The shown package comprises a container 1 and a cover 2, flexibly jointed by a link 3 and intended to accommodate eggs.

The container 1 has two parallel rows of egg pockets 4. In each of the rows of the embodiment five such pockets are shown by way of example. Projections in the form of hollow cones 5 are provided between the pockets arranged in rows, delimiting the pockets and serving to support the cover 2 when the latter is closed over the container 1.

The cover 2 has two parallel gable sections 6 parallel to the rows of pockets and closing in on the pockets when the package is closed. A lower cover section 7 between the two gable sections 6 interconnects the lower edges of opposite sides 6a of the gable sections.

A number of inspection or sight holes referenced 9 and 10, are provided in the sides 6a of the gable sections. The corner holes are referenced 9 and the others are referenced 10. Each hole 10 extends into the lower section 7. The holes 9 at the corners of the package also extend into the lower section 7 and further more extend into walls orthogonal to the sides 6a as will be described below. The number of all holes 9 and 10 corresponds to the number of pockets 4 and the holes are arranged so as to face the pockets when the package is closed. In the example shown there are thus five holes in each gable section 6.

The package is so dimensioned that, when it is closed, the upper portion of the gable sections 6 is higher, and the lower section 7 lower than the upper part of any egg placed in the container. Also the gable sections 6 are narrower than the said part of the eggs.

For this reason one part of each egg becomes visible when the package is closed and may protrude through its hole, even to such an extent as to come into contact with the hole rims, the egg thus being held in place.

At the ends of the lower cover section 7 provided between any two gable sections 6 is an end wall or bulkhead 11, the upper edge of which is flush with the gable sections 6. This bulkhead adjoins the facing sides 6a of the gable sections 6 and has, in each of the adjoining regions, a hole 9 defined by

the hole rim 12a (part 9a of the hole 9) and by the rim 12b provided in the adjacent gable section side 6a and cover section 7 (part 9b of the hole 9), the complete hole thus having the shape of a corner cutout. As may be seen particularly from Fig. 2, the rim sections 12a and 12b are continuations of each other.

Figs. 1 and 2 also show the outer wall 13 surrounding the bulkhead 11 in a corrugated shape in such a way as to closely approach the bulkhead 11 between its hole sections 9a. This indicates that the eggs placed in the end pockets of the rows and visible through the said corner cutout, possibly even protruding through the cutout, are enclosed along an arc of over 90° by the cover outer wall 13 and are thus securely protected and supported by those sides of the outer wall 13 facing the hole 9.

Other embodiments not limited to the exact number of pockets and cover sections used in the described embodiment are possible. The scope of the invention is defined in the appended claims.

WHAT WE CLAIM IS:—

1. A sight package for fragile objects, for example eggs, consisting of a container and a cover flexibly jointed thereto where the container comprises a number of pockets for the accommodation of the said objects, the pockets being arranged in at least two parallel rows, and projections rising between the rows of pockets, while the cover has at least two gable sections running parallel to the rows of pockets, and a lower cover section located between two adjacent gable sections and interconnecting the lower edges of opposite sides of the adjacent gable sections, the said cover having a number of holes corresponding to the number of pockets in the container, the said holes being provided in the said lower cover section and the adjoining sides of the said gable sections in such a way as to be positioned over the corresponding pockets in the said container when the cover is closed on the container, characterized in that an upwardly extending bulkhead is provided at both ends of the lower cover section and adjoins the longitudinal sides of the gable sections facing the lower cover section, each bulkhead having therein one of the holes in each of the regions where it adjoins the longitudinal sides, each hole extending into the lower cover section and into the adjoining side of the corresponding gable section, the outer wall of the cover surrounding the said bulkhead in a corrugated configuration in such a way as to closely approach the bulkhead between its holes.

2. A sight package as claimed in claim 1 in which, for each hole in the bulkheads, the parts of the rim in the bulkhead, in the cover

bulkhead, in the cover section and the side of the gable section are continuations of each other. At their side remote from said holes objects placed in the pockets at the row ends are particularly well embraced by the corrugated shape of the cover outer wall.

By way of example only, an illustrative embodiment of the invention will now be described with reference to the accompanying drawings, in which:

Fig. 1 shows an embodiment of a sight package in open state, and

Fig. 2 is an enlarged view of one end of the cover.

The shown package comprises a container 1 and a cover 2, flexibly jointed by a link 3 and intended to accommodate eggs.

The container 1 has two parallel rows of egg pockets 4. In each of the rows of the embodiment five such pockets are shown by way of example. Projections in the form of hollow cones 5 are provided between the pockets arranged in rows, delimiting the pockets and serving to support the cover 2 when the latter is closed over the container 1.

The cover 2 has two parallel gable sections 6 parallel to the rows of pockets and closing in on the pockets when the package is closed. A lower cover section 7 between the two gable sections 6 interconnects the lower edges of opposite sides 6a of the gable sections.

A number of inspection or sight holes referenced 9 and 10, are provided in the sides 6a of the gable sections. The corner holes are referenced 9 and the others are referenced 10. Each hole 10 extends into the lower section 7. The holes 9 at the corners of the package also extend into the lower section 7 and further more extend into walls orthogonal to the sides 6a as will be described below. The number of all holes 9 and 10 corresponds to the number of pockets 4 and the holes are arranged so as to face the pockets when the package is closed. In the example shown there are thus five holes in each gable section 6.

The package is so dimensioned that, when it is closed, the upper portion of the gable sections 6 is higher, and the lower section 7 lower than the upper part of any egg placed in the container. Also the gable sections 6 are narrower than the said part of the eggs.

For this reason one part of each egg becomes visible when the package is closed and may protrude through its hole, even to such an extent as to come into contact with the hole rims, the egg thus being held in place.

At the ends of the lower cover section 7 provided between any two gable sections 6 is an end wall or bulkhead 11, the upper edge of which is flush with the gable sections 6. This bulkhead adjoins the facing sides 6a of the gable sections 6 and has, in each of the adjoining regions, a hole 9 defined by

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Other embodiments not limited to the exact number of pockets and cover sections used in the described embodiment are possible. The scope of the invention is defined in the appended claims.

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2. A sight package as claimed in claim 1 in which, for each hole in the bulkheads, the parts of the rim in the bulkhead, in the cover



section and the side of the gable section are continuations of each other.

3. A sight package substantially as herein described with reference to and as illustrated in the accompanying drawings.

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