Jan. 5, 1926. 1,568,834

O. HAUGE ET AL.

ICE CREAM CONE PACKAGE

Filed April 10, 1924

FIG. 1.

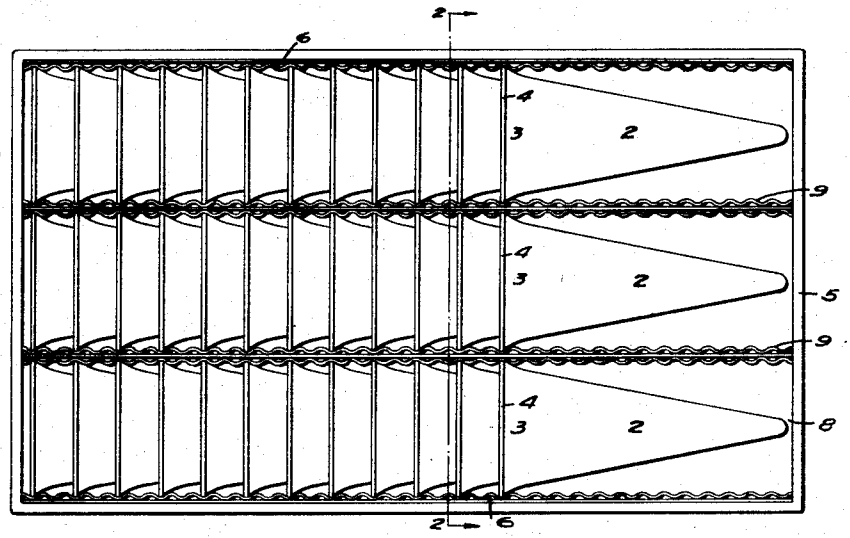


FIG. 2.

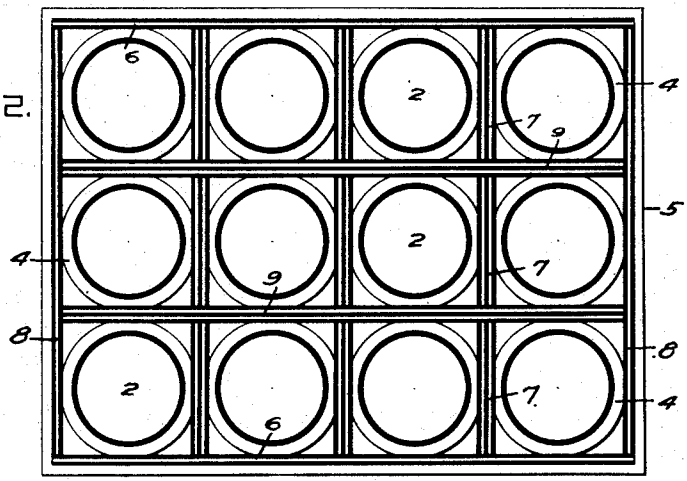
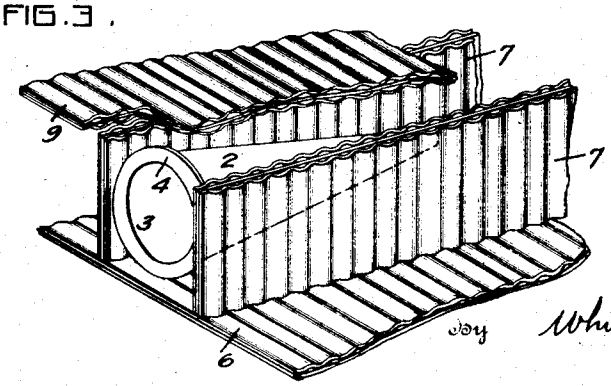


FIG. 3.



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UNITED STATES PATENT OFFICE.

OSCAR HAUGE AND WILLIAM A. ENGLAND, OF SAN FRANCISCO, CALIFORNIA, ASSIGNORS TO PARENT CONE COMPANY, OF SAN FRANCISCO, CALIFORNIA, A CORPORATION OF CALIFORNIA.

ICE-CREAM-CONE PACKAGE.

Application filed April 10, 1924. Serial No. 705,530.

To all whom it may concern:

Be it known that we, OSCAR HAUGE, a subject of the King of Norway, and WILLIAM A. ENGLAND, a citizen of the United States, both residents of the city and county of San Francisco, State of California, have invented a certain new and useful Ice-Cream-Cone Package, of which the following is a specification.

The invention relates to a package for containing pastry cones or cake cones used largely in the dispensing of ice cream.

An object of the invention is to provide an ice cream cone package in which the cones are so supported that the liability of breakage during shipment of the package, is reduced to a minimum.

Another object of the invention is to provide a package in which the cones are held against longitudinal displacement with respect to each other, so that the cones may not be broken by the wedging action of the nested cones.

The invention possesses other advantageous features, some of which, with the foregoing, will be set forth at length in the following description, where we shall outline in full that form of our invention which we have selected for illustration in the drawings accompanying and forming part of the present specification. In said drawings we have shown one form of package embodying our invention, but it is to be understood that we do not limit ourselves to such form, since the invention, as set forth in the claims, may be embodied in a plurality of forms.

Referring to said drawings:

Figure 1 is a side elevation of a package embodying our invention, the side of the package being removed to disclose the interior arrangement.

Figure 2 is a cross section taken on the line 2—2 Figure 1.

Figure 3 is a perspective detail showing the arrangement of a cone in the package.

Ice cream cones are packed by nesting a plurality of cones to form a row and packing a plurality of rows in a box or carton. The cones are made of cake or pastry and are quite fragile, so that they are frequently broken or fractured during shipment, due to the wedging action of an inner cone on an outer cone. In accordance with our invention the cones in a row are individually supported so that the wedging action is prevented, thereby overcoming in a large measure the breakage due to shipment. Each cone 2 is usually provided with a flaring base or open end 3 having a thickened or projecting edge 4, although this construction is not universal and not essential to the present invention. For the purpose of packing, a plurality of cones are nested together to form a row, the edges 4 of the successive cones being spaced apart. This spacing may be sufficient to keep the cones out of bodily contact with each other or may be the spacing which is produced in nesting, by the thickness of the material of the cone. A package usually comprises a plurality of tiers or rows, each tier containing a plurality of rows as shown in Figure 2.

In accordance with our invention, we arrange strips of corrugated material in contact with the edges of the cones in a row, with the edges disposed in the valleys of the corrugations so that each cone is individually held against displacement in the direction of the axis of the row. The cones are packed in a box or carton 5 and in the bottom of the box we place a sheet of corrugated paper 6 with the corrugations perpendicular to the axis of the row of cones. A plurality of rows of cones are arranged on the sheet 6 with the edges 4 of the successive cones disposed in the valleys of the corrugations. The rows of cones in the tier or layer are separated by strips 7 of corrugated material having corrugations on both faces so that the separating strip serves to engage the edges of the cones in the two adjacent rows. At the sides of the box we place corrugated sheets 8, into the valleys of which the edges of the cones extend. Over the first tier there is placed a double corrugated sheet 9, that is, a sheet having corrugations on its upper and lower surfaces, the corrugations on the lower surface being engaged by the edges of the cones in the lower tier and the corrugations on the upper surface being engaged by the edges of the cones in the superposed tier. The tiers are thus built up in the box to the capacity of the box, the corrugated sheets being placed between the rows in each tier and between the successive tiers. Each cone is therefore supported at four points

at its base so that the cones are held against relative movement with respect to each other. This prevents jambing or wedging of the cones due to rough handling of the box in shipment and consequently reduces the breakage of the cones to a minimum.

We claim:

1. An ice cream cone package comprising a flat sheet of corrugated board having corrugations on its upper surface, two flat strips of corrugated board spaced apart on and positioned vertically with respect to the sheet, said strips being corrugated on their adjacent surfaces, the corrugations in the sheet and strips being in alinment, a second sheet corrugated on its under side and forming with the first sheet and the strips, an enclosure and a nest of ice cream cones in the enclosure with the bases of the cones disposed in the valleys in the sheets and strips.

2. An ice cream cone package comprising a plurality of rows of nested cones, a box in which said rows are arranged in tiers, there being a plurality of rows in each tier, a corrugated sheet disposed below the lower tier, a double corrugated sheet arranged between successive tiers and double corrugated strips arranged between the successive rows in each tier, the edges of the bases of the cones being disposed in the valleys of the corrugations and the strips and sheets fitting the box whereby the cones are held relatively immovable in the box.

In testimony whereof, we have hereunto set our hands.

OSCAR HAUGE.
WILLIAM A. ENGLAND.