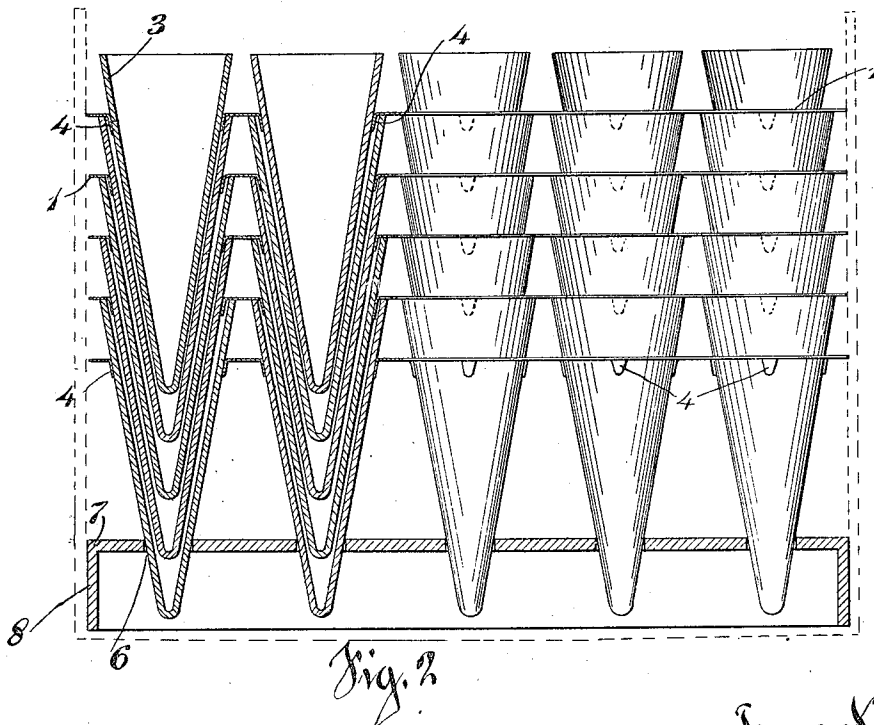
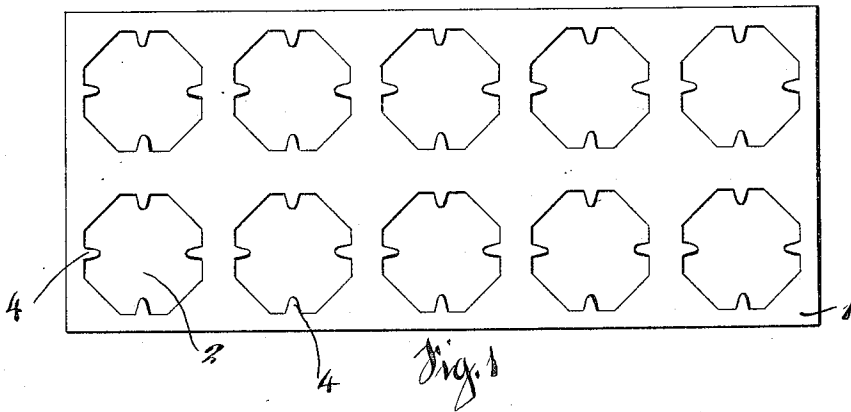


L. H. LANIER.
 PACKAGE FOR ICE CREAM CONES.
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PACKAGE FOR ICE-CREAM CONES.

1,305,908.

Specification of Letters Patent.

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Application filed October 11, 1917. Serial No. 196,041.

To all whom it may concern:

Be it known that I, LEWIS H. LANIER, a citizen of the United States, and a resident of Newport, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Packages for Ice-Cream Cones, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to packages for ice cream cones, which are intended to maintain the cones in non-breakable condition during shipment.

Particularly in the higher priced cones, breakage is frequent, and although the individual value of the cones is not a great item, still the annoyance of having only a partial supply of them, makes it of value to the shipper to provide against breakage, in keeping his trade.

It is the object of this invention to provide in particular a spacing and retaining board in which the separate cones are to be set, such boards being designed for use in supporting each layer of cones in a package, or container. It is further my object to provide in such board for a rounded-edge-engagement with the cones so that their fragile surface is not broken in placing them in the boards or removing them therefrom.

These objects and other advantages I accomplish by that certain construction and arrangement of parts to be hereinafter more specifically pointed out and claimed.

In the drawing,

Figure 1 is a plan view of one of the boards.

Fig. 2 is a side elevation, partly in section, of a package of cones, made up with the use of the board.

The board which forms the basis of my invention comprises a piece of cardboard 1, which need not be heavy or stiff, and in which octagonal holes 2 are cut, far enough away from each other to leave sufficient strength to the piece of cardboard. The holes are of less size than the circumference at the top of the cones which are to be packed. Thus a cone 3 when set in one of the holes will be engaged one inch below the top or rim.

The holes are made octagonal instead of round, because the sides of the holes present contacting surfaces to the cone only where they are tangent to its rounded surface,

while in a round hole the contact would be throughout.

The holes are octagonal, instead of square, because a square hole takes up more space than an octagonal hole which has the same width. Also the more sides over six or eight that are given the holes, the more points of contact there will be with the sides of the cones.

It has been found, even with the use of the octagonal holes, that there is a tendency for the cones to stick fast in the holes after shipment, so that they are broken or ruined in removal from the cardboard. To prevent this I form in four of the sides of the octagonal holes small tongues 4, which being small are easily bent down to lie along the cone, when it is inserted, and which form a rounded edge against which the surface of the cone abuts.

The tongues should not be multiplied in number or increased in size over such as will easily bend with the cones upon insertion, and should not be long enough to appreciably wedge against the sides of the cones when they are pulled out, and hold them against removal. To avoid danger of wedging it is preferable to employ only four tongues; one for the middle of each alternate side of the octagonal opening, and to make these tongues quite short. In the precise structure illustrated, the surface of the cones touches only the rounded edges formed by the bending down of the tongues, since the sides of the octagon which have not got any tongues will not extend out far enough to touch them, due to the tongues holding the cones out of the way.

The size of the holes in the boards should be such that when a cone is set in a board, and then another board laid on top of the cone, with its hole lying in the mouth of the cone, that a second cone thrust into the hole on the second board will not go far enough down to touch with its sides or tip, the inside of the cone below it.

As so constructed, the packages are made up as follows: A board is taken and cones set in all of the holes therein. There will be such number of cones as are desired, a convenient number being ten.

Another board is then laid on the first board with the holes therein lying over the open tops of the cones in the under board. Since the holes in the boards are smaller than the mouths of the cones, the second

board will support a second ten cones, each cone set down into a hole with its major portion lying inside of, but not touching the cone beneath it.

5 In this manner, the boardfuls of cones are set, one on the other, until the desired size of package is made up. The whole is then set into the shipping carton (not shown), and is ready for shipment. There is a
10 complete suspension and spacing of the individual cones, and the only strain on them is on the ends and not the sides.

In unpacking the cones, which is done one by one as they are used, the cones may then
15 be lifted out of the holes in the boards without breakage, since the edges against which they have been forced during shipment are the rounded edges formed by the bending over of the tabs.

20 It is not desired because of the insistence upon the exact details of the above structure to exclude from the scope of this invention those modifications which may obviously be made without departing from
25 the spirit of the same. The device described is the preferred form, as well as illustrative of the principles involved.

For placing in the carton and supporting the package of cones, the tips of the bottom
30 row of cones are placed in small round holes 6 in the top 7 of a tray 8. This tray then holds the tips of the cones out of contact with the base of the carton.

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

1. A package for ice cream cones or the like, comprising an outer casing with a series of boards having spaced openings
40 therein of a size to receive a cone, and of less diameter than the mouth of the cone, said openings protected by bent-over tabs at the edges thereof, the boards being loosely supported in the casing by the top edges of the
45 cones immediately below.

2. A package for ice cream cones or the like, comprising an outer casing with a series of boards having spaced openings therein of a size to receive a cone, and of

less diameter than the mouth of the cone, 50 said openings protected by bent-over tabs at the edges thereof, and said openings being formed with straight edges so as to bring said edges tangential to the sides of the cone, the boards being loosely supported in 55 the casing by the top edges of the cones immediately below.

3. A package for ice cream cones or the like, comprising an outer casing with a series of boards having spaced openings 60 therein of a size to receive a cone, and of less diameter than the mouth of the cone, and said openings being formed with straight edges so as to bring said edges tangential to the sides of the cone, the 65 boards being loosely supported in the casing by the top edges of the cones immediately below.

4. A package for ice cream cones or the like, comprising an outer casing with a 70 series of boards having spaced openings therein of a size to receive a cone, and of less diameter than the mouth of the cone, said openings being of octagonal shape, the boards being loosely supported in the casing 75 by the top edges of the cones immediately below.

5. A package for ice cream cones or the like, comprising an outer casing with a series of boards having spaced openings 80 therein of a size to receive a cone, and of less diameter than the mouth of the cone, said openings being of octagonal shape, and having short tongues on every other side, for the purpose described, the boards being 85 loosely supported in the casing by the top edges of the cones immediately below.

6. A package for ice cream cones or the like, comprising an outer casing with a series of boards having spaced openings 90 therein, of a size to receive a cone, and of less diameter than the mouth of the cone, said openings having rounded contact edges for the cones, the boards being loosely supported in the casing by the top edges of the 95 cones immediately below.

LEWIS H. LANIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."