March 30, 1943. W. H. FAIRCHILD 2,315,368

PACKAGE

Filed July 12, 1939

Fig. 1.

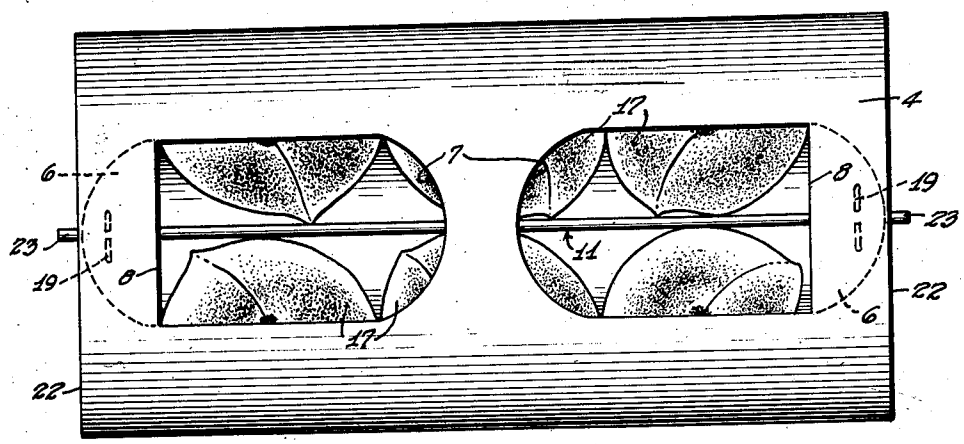


Fig. 2.

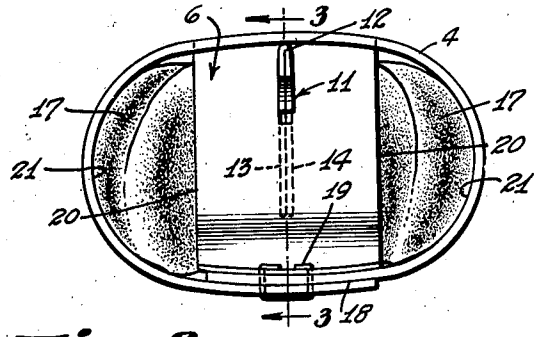
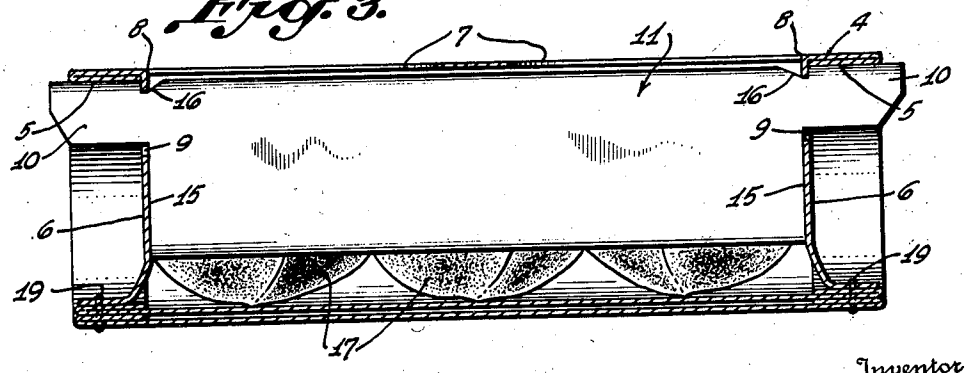


Fig. 3.



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Patented Mar. 30, 1943 2,315,368

UNITED STATES PATENT OFFICE

2,315,368

PACKAGE

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Application July 12, 1939, Serial No. 284,081

2 Claims. (Cl. 229—27)

This invention relates to improvements in wrappers or receptacles for globular articles and more particularly to an improved package of globular fruits or vegetables such as peaches, oranges, apples, lemons, tomatoes, etc.

One of the objects of the invention is to furnish receptacle elements which may be shipped in flat or knocked-down condition, and which may be readily set-up on a farm or the like when it is desired to package globular fruits or vegetables.

Another object is to supply a wrapper or receptacle in which the globular articles may be inspected from one side or either end of the package.

Another object is to provide a receptacle comprising a divider strip so that globular articles may be arranged at opposite sides thereof and the package may be made shorter than would be the case if the articles were arranged in a single row.

A still further object is to provide a package so designed that when a number of such packages are placed in a primary ventilated receptacle, each package may be ventilated to permit the escape of gases, etc.

A further object is to produce a simple and inexpensive package and yet one which will be exceedingly effective for the purpose for which it is designed.

With the foregoing objects outlined and with other objects in view which will appear as the description proceeds, the invention consists in the novel features hereinafter described, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims.

In the drawing:

Fig. 1 is a plan view of my improved package.

Fig. 2 is an end elevation.

Fig. 3 is a longitudinal, vertical, section view taken on the line 3—3 of Fig. 2.

Referring to the drawing, 4 designates a primary sheet of any suitable flexible fibrous material such as cardboard having opposite side edge portions folded inwardly as at 5 and secured by adhesive or the like to the body portion of the sheet, in order to reinforce the opposite side edge portions of the sheet and eliminate raw edges.

Tongues 6 are stamped from the sheet in order to provide aligned windows 7 for the display of the contents of the receptacle and these tongues are bent substantially at right angles to the sheet along hinge lines 8 which are parallel to the opposite side edge portions of the sheet and folded adjacent the inner edges of the folded portions 5.

Each tongue is provided adjacent its hinge line with a centrally disposed slot 9 arranged at the medial portion of the tongue, and such slots are designed to receive extensions 10 of a divider strip 11. I prefer to construct the divider strip of a folded piece of cardboard or the like which is folded along a medial, longitudinal center line 12, as indicated in Fig. 2 so as to provide a plurality of plies 13 and 14.

Adjacent the extensions 10 of the divider, the end portions 15 of the latter are straight and parallel so as to form vertical abutments for the tongues 6. This aids in the setting up of the package and aids in maintaining the tongues in position after their outer ends have been secured in place, as will be hereinafter explained.

The divider is provided adjacent the extensions 10 with notches 16 which cooperate with the tongues to form interlocks which effectively hold the tongues and divider in assembled relation after the receptacle has been set up.

In using such a structure the tongues 6 will first be bent along the lines 8 so as to form the openings 7. Then the extensions 10 will be inserted through the slots 9 and the tongues 6 brought into engagement with the edges 15 of the divider. At such time the partially set-up receptacle will be inverted from the position shown in the drawing, and a number of globular articles 17 may be placed on the sheet 4 at opposite sides of the divider. At this time the opposite end portions of the sheet are brought into overlapping relation, as indicated at 18 in Fig. 2, and finally such overlapping end portions are secured to the ends of the tongues 6 by any suitable means such as staples 19.

In view of the fact that the tongues 6 have parallel edges 20 (Fig. 2) while the articles are globular, it will be evident that spaces will be left at each end of the package between the edges 20 and the adjacent portions 21 of the sheet 4 so that openings are provided at the ends of the package to allow inspection of the articles from either end of the receptacle.

At this point it will be noted that the divider with its extensions 10 is of greater length than the receptacle so that the extensions project beyond the ends 22, as may be seen at 23 in Fig. 1. Hence, in accordance with the invention, if packages are placed in a primary receptacle having a width substantially equal to the length of the divider strip, the ends of the extensions 10 will serve to abut the inner surfaces of opposite walls of the primary carton and space the receptacles from such walls. Hence, ventilation and escape of gases will be provided.

The divider 11 may, if desired, be provided with

cut-out tongues like the tongues 6, and such tongues may be extended across the interior of the package to divide or separate the articles packed.

It will be manifest that the receptacle may be used for articles other than substantially globular. For example, it may be used for elongated potatoes and the like.

From the foregoing, it is believed that the construction, use and advantages of my invention may be readily understood and I am aware that changes may be made in the details disclosed without departing from the spirit of the invention as expressed in the claims.

What I claim and desire to secure by Letters Patent is:

1. A ventilated receptacle of the character described, comprising a primary sheet having its end portions overlapped, secured together and forming a tube having opposite side walls, a top member and a bottom member, tongues struck from the top member, said tongues being integral parts of the top member and hinged to the latter adjacent the ends thereof, the tongues having their ends secured to the bottom member at the overlapping portions of the sheet, each of said tongues forming a substantially vertical end wall of the receptacle and being of materially less width than the width of the receptacle and having side edges spaced from the side walls of the receptacle to form a plurality of openings at each end of the receptacle, aligned open windows of less width than the receptacle arranged in the top member, each tongue being provided about midway between its side edges with a substantially vertical slot positioned at the root end portion only of the tongue, and a substantially vertically disposed divider extending substantially diametrically within the tube and having end extensions extending through said slots and interlocked with the tongues.

2. A ventilated receptacle of the character described, comprising a primary sheet having its end portions overlapped, secured together and forming a tube having opposite side walls, a top member and a bottom member, tongues struck from the top member, said tongues being integral parts of the top member and hinged to the latter adjacent the ends thereof, the tongues having their ends secured to the bottom member at the overlapping portions of the sheet, each of said tongues forming a substantially vertical end wall of the receptacle and being of materially less width than the width of the receptacle and having side edges spaced from the side walls of the receptacle to form a plurality of openings at each end of the receptacle, aligned open windows of less width than the receptacle arranged in the top member, each tongue being provided about midway between its side edges with a substantially vertical slot positioned at one end portion only of the tongue, and a substantially vertically disposed divider extending substantially diametrically within the tube and having end extensions extending through said slots and interlocked with the tongues.

WALTER H. FAIRCHILD.