No. 627,064. Patented June 13, 1899.

E. KLEIN.

STORING AND SHIPPING PACKAGE.

(Application filed May 7, 1898.)

(No Model.)

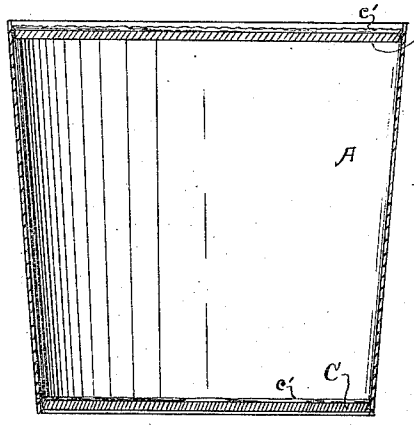


Fig. 1.

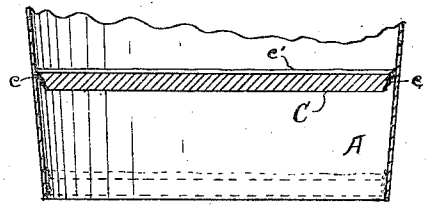


Fig. 2.

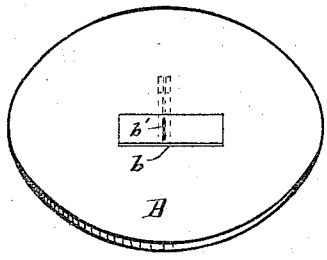


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

EUGENE KLEIN, OF GRAND RAPIDS, MICHIGAN.

STORING AND SHIPPING PACKAGE.

SPECIFICATION forming part of Letters Patent No. 627,064, dated June 13, 1899.

Application filed May 7, 1898. Serial No. 680,073. (No model.)

To all whom it may concern:

Be it known that I, EUGENE KLEIN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Storing and Shipping Packages, of which the following is a specification.

My invention relates to improvements in packages for storing and shipping lard, jellies, &c.; and its objects are, first, to provide a package that may be easily rendered watertight; second, to avert the danger of the bottom becoming loose or being forced out of place in handling, and, third, to provide a convenient and inexpensive appliance with which to remove the cover when it is desired to open the package to remove its contents. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a vertical section of a package, showing the manner of applying the top and bottom. Fig. 2 is a section of a portion of a package, showing the construction of the top and bottom; and Fig. 3 is a perspective of a top with the appliance for removing it in normal position.

Similar letters refer to similar parts throughout the several views.

I prefer that the package be made in the form of a pail, larger at the top than at the bottom, so that the cover and bottom may be forced to a close bearing with the sides.

In the accompanying drawings, A represents a vertical section of the body of the package.

B represents the top or cover, and C represents the bottom of the package.

My invention consists not in the form of the package nor in the material of which it is constructed, but in the construction of the joint between the top and bottom and the side walls of the package.

In constructing the top and bottom I make the edges slightly more tapering or beveling than the taper of the body of the package and somewhat ragged, as indicated in Fig. 2, and the upper edge left to form a thin projecting sheet or flap, so that when they are forced to place the upper corner of the edge will turn up slightly and press against the surface of the body, thus making a bearing somewhat broader than the thickness of the top or bottom, as indicated at *c'*. When the top or bottom is forced to place, the edge *c* will conform itself to a perfect bearing with the side walls of the package, as indicated by the dotted lines in Fig. 2.

In Fig. 2 I have somewhat exaggerated the bevel, as well as the ragged nature of the edge *c*, not as illustrating its exact form and condition, but as more plainly showing the manner in which it is applied to form a broader and more perfect surface of contact.

For the purpose of facilitating the removal of the cover I secure a thin oblong strip of any suitable material that is more or less flexible to the cover by means of a small staple, as *b'*, through near the longitudinal center of the strip *b*, so that the strip can be bent up, as indicated by the dotted lines in Fig. 3, and form a convenient thumb-piece or handle.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a storing and shipping package, a relatively thin receptacle, and a relatively thick top or bottom beveled slightly more than the taper of the receptacle and fitted with a thin ragged projecting edge to enter said receptacle and press upon and closely adhere to the inner surface thereof, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, May 4, 1898.

EUGENE KLEIN.

In presence of—

GEORGIA E. CILLEY,

ITHIEL J. CILLEY.