

No. 109,739.

PATENTED NOV. 29, 1870.

G. M. HUNTLY.
PACKAGE FOR LARD, BUTTER, &c.

Fig. 2.

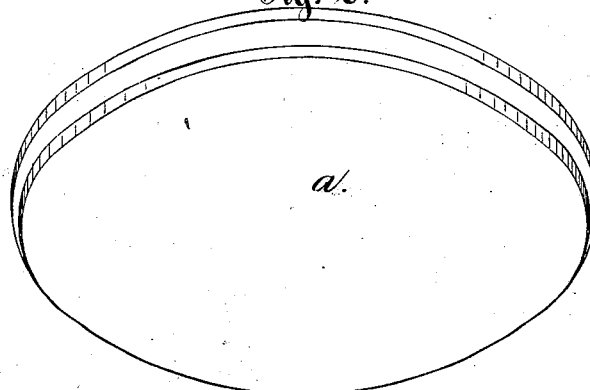


Fig. 3.

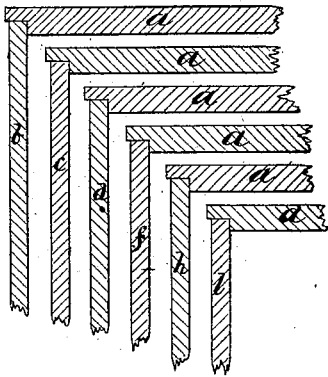
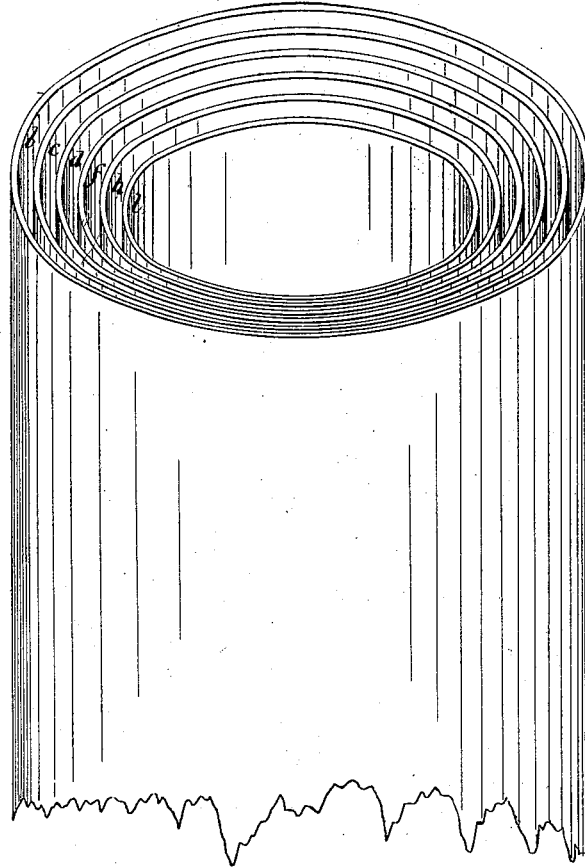


Fig. 1.



Witnesses.

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GEORGE M. HUNTLY, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 109,739, dated November 29, 1870.

IMPROVEMENT IN PACKAGES FOR LARD, BUTTER, &c.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, GEORGE M. HUNTLY, of the city of Grand Rapids, in the county of Kent and State of Michigan, have invented certain Improvements in Packages for Shipping and Keeping Lard, Butter, and other commodities, of which the following is a specification.

The object of this improvement is to provide a series of convenient, neat, strong and permanent packages, in which, lard, butter, or other commodities may be securely packed and safely transported from place to place, and kept for sale in such convenient quantities as to satisfy the retail trade thereof, doing away with all trouble arising from the weighing of the same, as well as risk of impairing the quality thereof by exposure to the atmosphere.

Also, to provide such packages in such form that they may be most cheaply and rapidly constructed, of the greatest possible strength, and capable of being packed in "nests," in order to facilitate the shipment of the same from the factory where made to the places where they are filled, while they shall, at the same time, bear to each other the proportions of 12, 10, 8, 6, 4, and 2, respectively, for the purpose first above stated.

Also, to provide a package that, while it shall serve the purposes above set forth, it may, after having been once emptied of its contents, serve as a nice receptacle for other uses, or be again refilled with its former or similar material, and sealed up, its construction being such that its top cover is taken off and contents removed without injuring the package in any degree, thereby making the latter permanent in its character.

Also, to provide a package that shall not absorb any portion of its contents by the penetration of the latter into the pores or substance of the former, nor impart to or allow of any deterioration of the contents of the package, either from the external air or the material of which the package is composed.

The nature of my improvement consists:

First, in making the package cylindrical, with a top cover constructed with a projecting flange and inner rim, the latter fitting nicely into the end of the cylinder, while the former is a little larger than the diameter of the cylinder, so as to plainly show where to cut the outside paper envelope in which the whole is finally encased, in order to remove the top cover when it is desired to remove the contents of the package.

Second, in covering every portion of the inside of the package accessible to its contents, with thin tissue paper, saturated with a solution of gum-arabic and glue, in about equal proportions, the package itself being previously coated therewith at a temperature of about 180°, and the whole inside of the same finished off with a coating of gum-shellac.

After the package is filled and the top cover in its place, the latter is secured, and the contents of the package kept pure and sweet by exclusion from the external air, by wrapping around the point of union of the top cover and the top of the package, a strip of the prepared paper, and covering this, also, with a coating of gum-shellac.

In order to enable others skilled in the art to which this invention pertains to make and use my invention, I will now proceed to give a particular description of its construction and operation.

In the drawing making part of this specification—

Figure 1 is a perspective view of the "nest" of packages, with their top covers removed.

Figure 2 is a view of the top cover of the largest package of the nest, or the package *b*.

Figure 3 is a sectional view showing the manner of adjusting the covers, and the way in which the different sizes of the packages nest within each other.

b, in fig. 1, represents a cylindrical vessel of paper or other suitable material, of a sufficient capacity to contain twelve pounds of lard or butter, and

c d f h l, a series of other exactly similar vessels, except in size, their proportional capacity being to the first, or *b*, as 8 6 4 2 respectively, and each of them enough less in depth than its next larger one, to allow of their being packed within one another, when empty, with their covers on, so that the whole of the series shall be contained within one package, that is, the package *b*, as clearly shown in fig. 3.

The covers to these packages are made by forming a flange on their outermost edges, by cutting away about one-half of its substance far enough toward its center to allow of its inner rim fitting into the inside of the cylinder, its outer diameter being a little greater than the outermost diameter of the cylinder, thus forming a projection of the top or cover of the package beyond the body of the package.

The manner of making these covers, as well as of adjusting them, is clearly shown in fig. 3.

The bottoms of these packages are put in in any one of the ways well known.

The inside of each of these packages, including their bottoms and covers, are coated with a solution of gum-arabic and glue, in about equal proportions, applied at a temperature of about 180°, over which is immediately spread a cover of thin paper, previously prepared by saturation with the same compound used on the package itself. A final coating of gum-shellac completes the inside preparation of the package.

These packages thus prepared at the manufactory, are packed away in nests and shipped in compact form to the places where wanted for filling, and after filled are sealed up with their covers on, by wrapping around the point of union of the top covers and the

top of the cylinder, a strip of cloth or paper, prepared by saturation with a solution of gum-shellac or in any other suitable manner equivalent thereto. The whole package may now be inclosed in an envelope of foil or other paper, for greater protection or beauty.

These packages afford convenient, cheap, strong and durable vessels, both for the manufacturer and dealer, being cheaply and rapidly constructed, compactly packed, and hence very economically transported.

They supply the retail dealer, who desires to furnish his customers with any desired amount of lard or butter, without incurring the trouble or loss of time in opening packages or weighing, or risk of impairing the article dealt out by exposure to the air.

They supply the customer with a package easily opened by running a knife around the edge of the projecting cover, thus severing the cloth or paper-sealing of the cover, without destroying or injuring the pack-

age, so that its contents may be removed and the package returned to the dealer as good as when first used, to be refilled, or it may be found useful as a nice and convenient package for a variety of other uses.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The within-described cylindrical package or nest of cylindrical packages, whose sides are made of paper or pasteboard connected with a wooden bottom and a rabbeted wooden top, said sides top and bottom being coated with a solution of gum-arabic and glue on their inner sides, all as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 12th day of July, A. D. 1870.

GEORGE M. HUNTLY.

Witnesses:

MARTIN METCALF,

J. A. METCALF.