

C. W. GRANNIS.
BUTTER PACKAGE OR TUB.

No. 179,107.

Patented June 27, 1876.

Fig. 1.

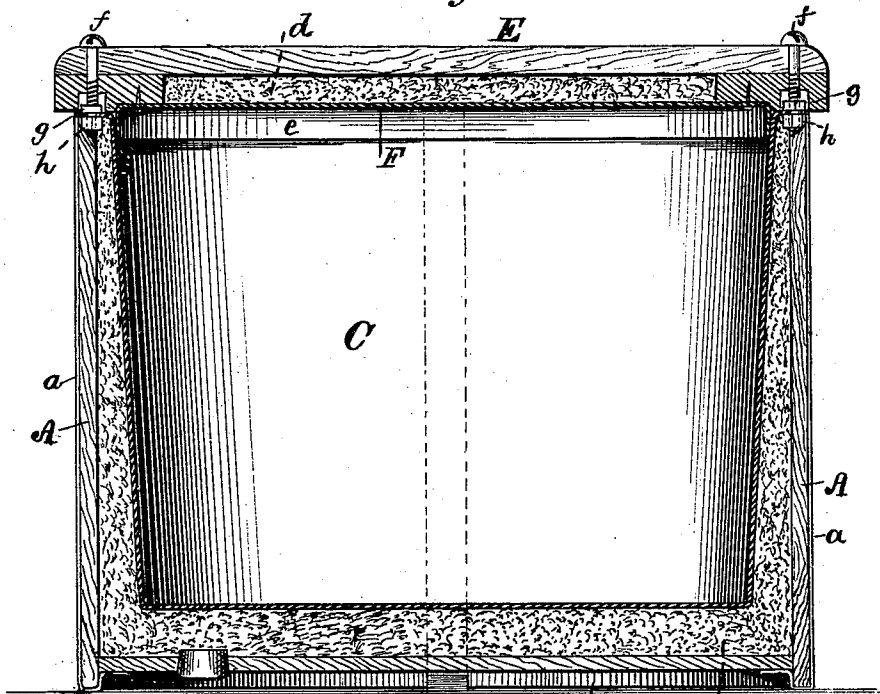
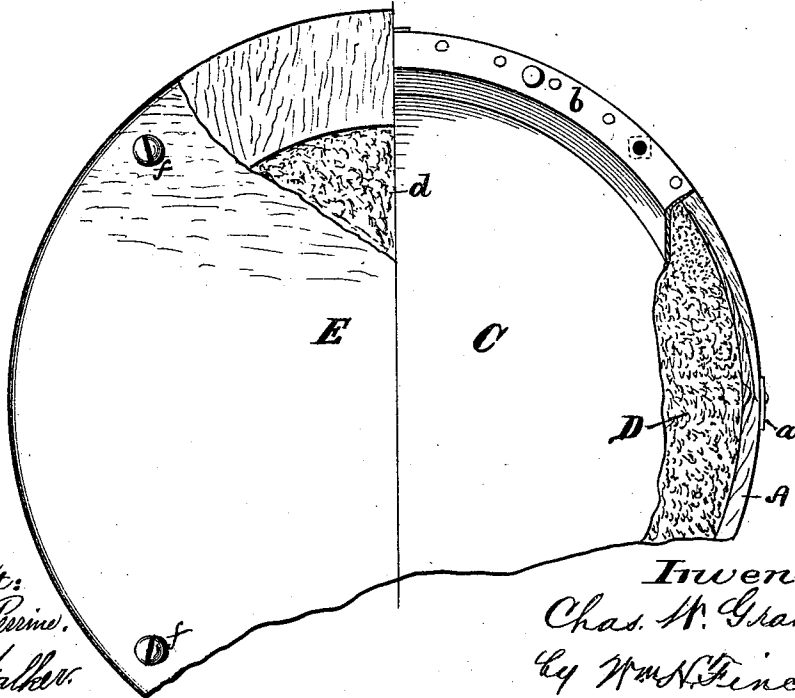


Fig. 2. B D



Attest:
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IMPROVEMENT IN BUTTER PACKAGES OR TUBS.

Specification forming part of Letters Patent No. **179,107**, dated June 27, 1876; application filed December 3, 1875.

To all whom it may concern:

Be it known that I, CHARLES WATTON GRANNIS, of Gowanda, in the county of Erie, in the State of New York, have invented certain new and useful Improvements in Butter Packages or Tubs, whereof the following is a full, clear, and exact description, reference being had to the accompanying drawing, wherein like letters of reference indicate the same parts in the two figures, and—

Figure 1 is a vertical section, and Fig. 2 a partly-sectional top view, one-half of the cover being removed.

The object of this invention is to provide a tub or package in which butter may be kept sweet for a long time—a tub which may be readily and perfectly cleaned and used a number of times; and the invention consists in a butter tub or package composed of an outer casing of wood and an inner smaller receptacle, between which and the outer casing is left a space that is filled with charcoal or other non-conductor, the tub being further provided with a close cover constructed in a similar manner, said tub being also provided with permanent fastenings for securing the cover, as hereinafter fully specified.

The letter A indicates an outer casing, constructed of staves hooped together in the manner an ordinary tub or bucket is constructed, or, better, a casing composed of a single piece of wood bent in the form of a cylinder, and its ends lapped and fastened. In this latter construction a number of vertical, preferably metallic, stays, *a*, are attached to the cylinder, and lapped over its upper and lower edges, if need be. B is a bottom fitted in this cylinder. Within this casing is secured, by a flange, *b*, or otherwise, a receptacle, C, of tapering form, and so much smaller than the outer casing as to leave a space, D, around it and at its bottom.

The receptacle may be made of wood, but is preferably made of sheet metal, and in this case will be formed with the flange *b* for securing it in place.

The space D is filled, through an opening, *c*, with fine charcoal or other non-conductor, after which said opening is securely closed. E is the cover, composed of two pieces of wood, whose grains run in opposite directions, so as to insure greater strength and prevent warping. The lower piece is chambered at *d* and filled with charcoal, and a plate, F, of metal, is secured over this chamber. This plate F is

of equal diameter with the receptacle C, and has formed on it a flange, *e*, which fits snugly therein.

In order to provide the cover with permanent fastenings, I secure therein a number of screws, *f*, each having fixed on it a washer or stop, *g*. These screws or bolts thread into nuts *h* let in the casing A, and when not so used it is evident that the washers *g* will prevent their being lost.

Other means than nuts *h* may be used for receiving the bolts *f*; and, too, I do not limit myself to the use of these bolts, but describe them as being the most simple and readily available.

Instead of chambering the lower piece of the cover, I may form this chamber by simply using an annular piece of wood.

In order to water-proof the wood and receptacle C, I varnish them with shellac dissolved in alcohol. By so doing the tubs may be easily kept sweet and clean, as they can be washed, and are impervious to the moisture of the butter and atmosphere, so that tubs thus constructed can be used a number of times.

In putting butter in these tubs the swathing or cloth is brought close up to the sides of the receptacle C, and as the cover is put on, its flange *e* comes in contact with the cloth, and, pressing it down into the receptacle, forms an air-tight joint.

In some cases it may not be deemed advisable to fill in the spaces D *d*, in which event a cheaper tub can be furnished.

Butter packed in these tubs is, practically, hermetically sealed, and can be delivered in any market in as good condition and with the same weight as when packed.

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

1. A butter package or tub, consisting of an exterior wooden casing, A, and an interior tapering receptacle, C, with an intermediate packing-space, D, in combination with the cover E, having the flanged plate F and internal packing-space *d*, substantially as shown and described.

2. The cover of a butter-tub, provided with permanent screw-fastenings, engaging with nuts in the tub, substantially as described.

Witnesses: CHAS. W. GRANNIS.

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