

W. WHITE.
Packing Butter.

No. 217,919.

Patented July 29, 1879.

Fig. 1.

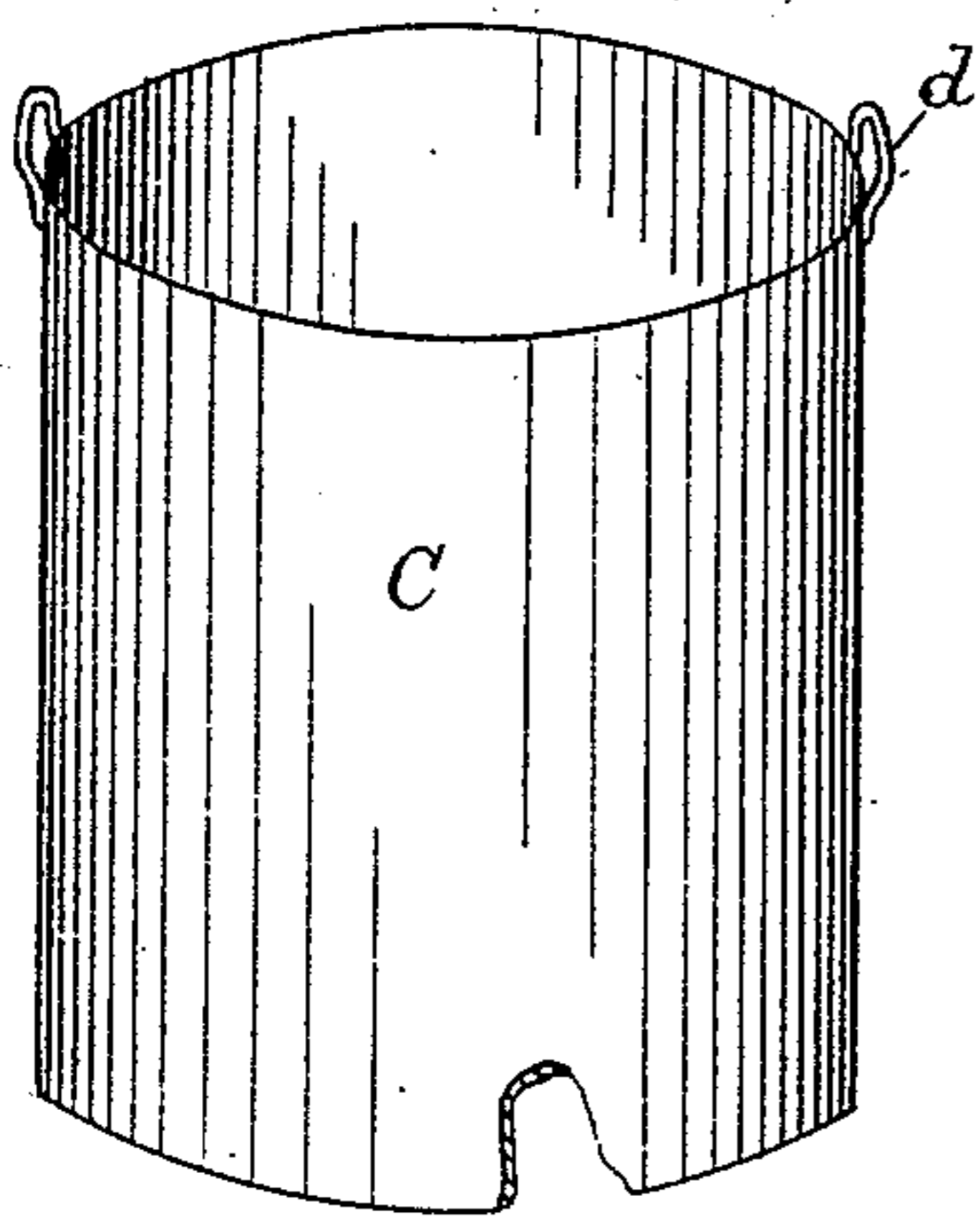


Fig. 2.

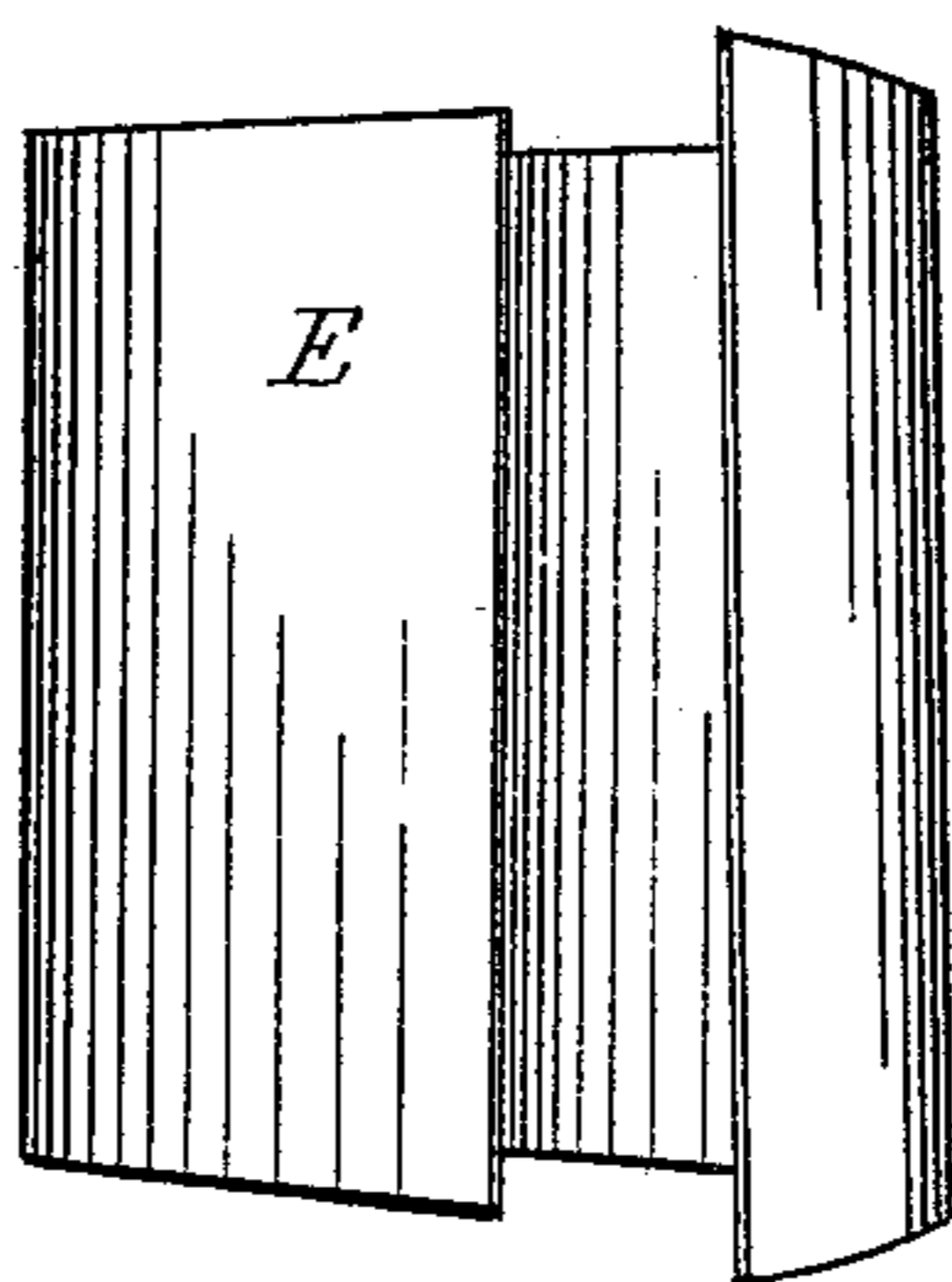


Fig. 3.

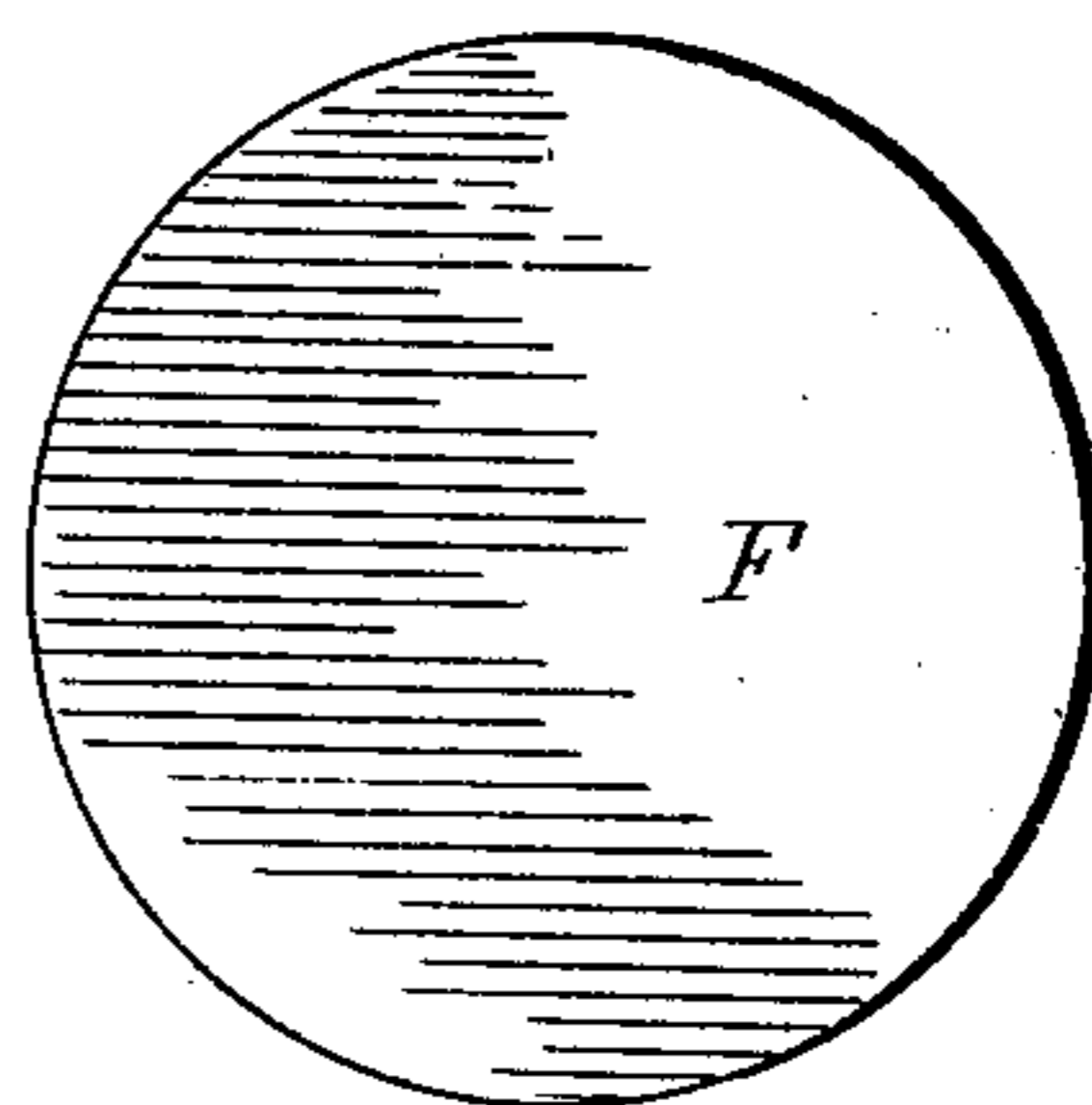


Fig. 4.

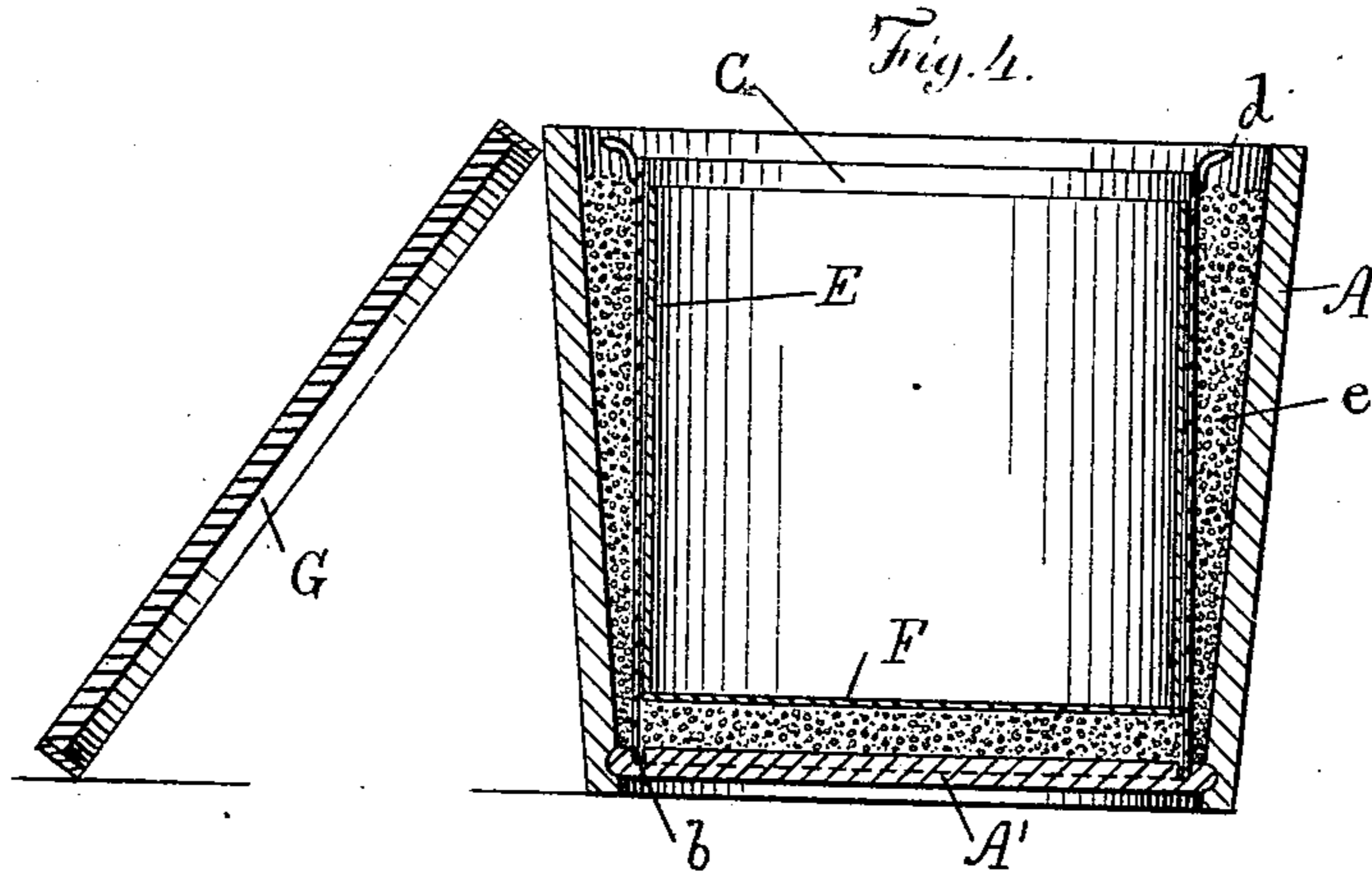


Fig. 5.

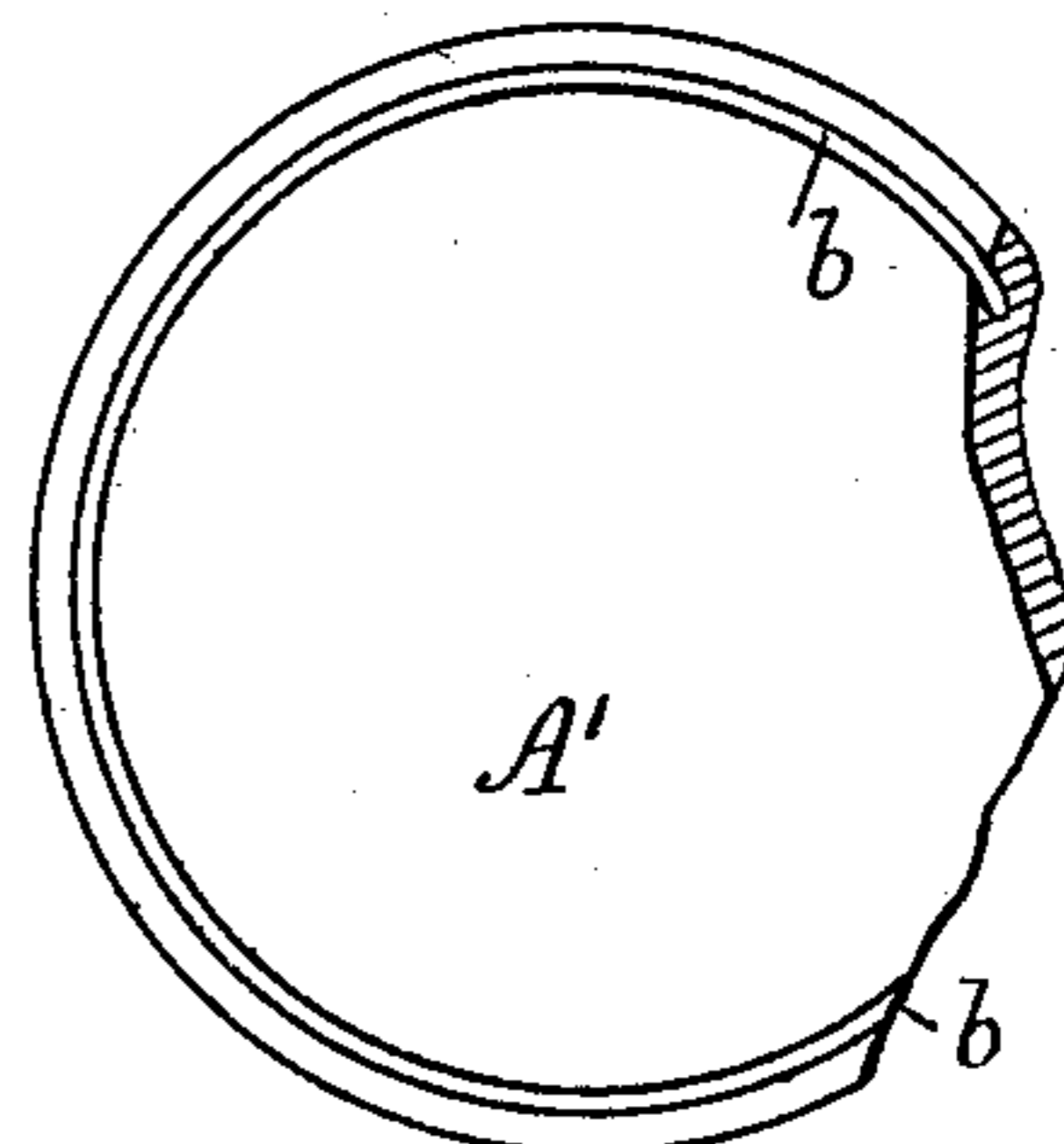
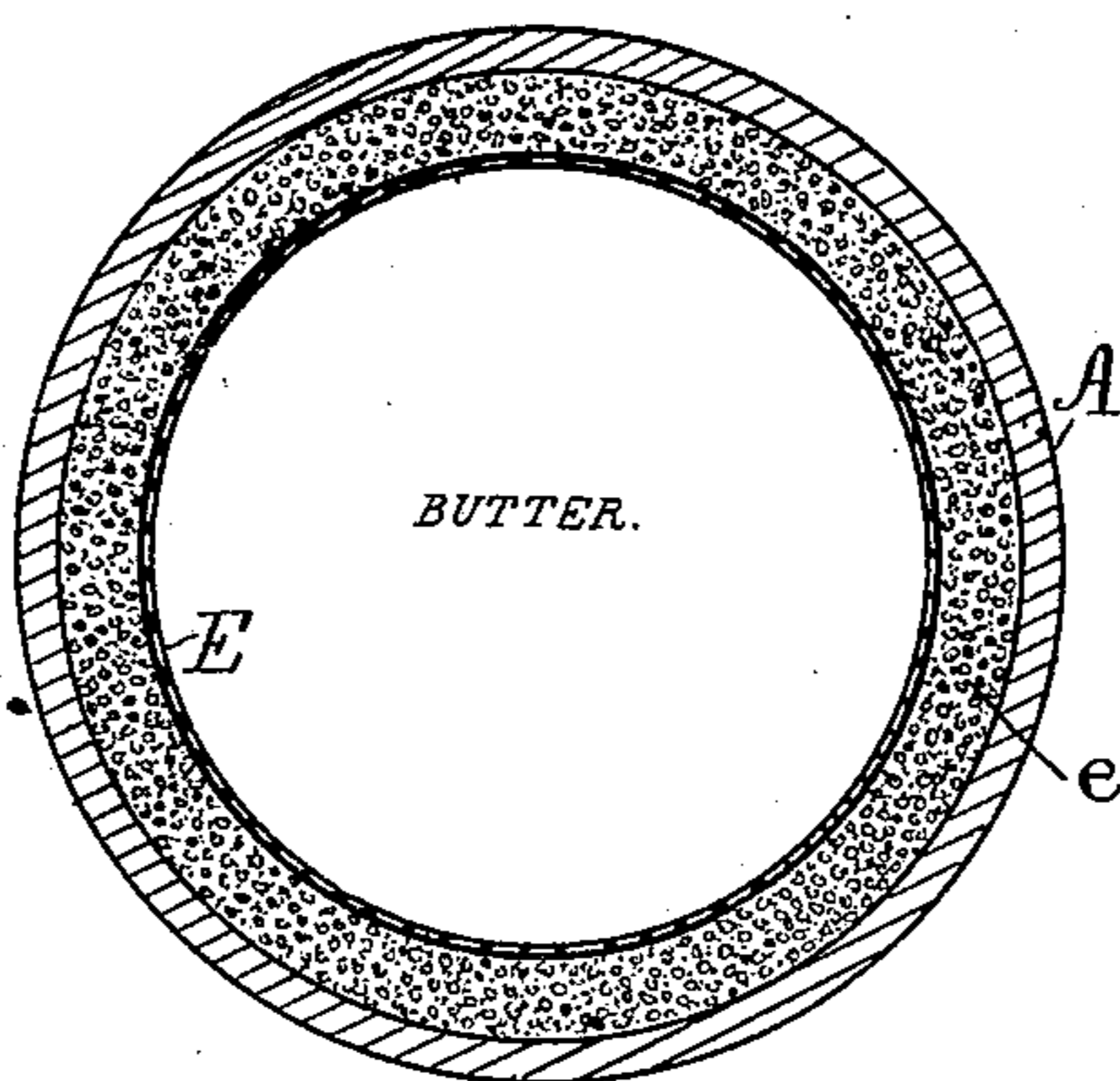


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE

WELCOME WHITE, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN PACKING BUTTER.

Specification forming part of Letters Patent No. **217,919**, dated July 29, 1879; application filed May 22, 1879.

To all whom it may concern:

Be it known that I, WELCOME WHITE, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Packing Butter, of which the following is a specification.

My invention relates to an improvement in packing butter in tubs, firkins, boxes, and the like for shipment, and has reference to that manner of packing wherein salt is interposed on all sides between the butter and the package.

The invention will first be described in connection with the accompanying drawings, and then designated in the claims.

Figure 1 is a perspective view of sheet-metal packing-cylinder. Fig. 2 is a perspective of thin wood in the form of a partial cylinder. Fig. 3 represents the thin wood for the head. Fig. 4 is a vertical section of the tub, packing-cylinder, and wood casing. Fig. 5 is a view of the bottom head. Fig. 6 is a cross-section of tub filled with butter.

The tubs, firkins, boxes, or other packages may be of the ordinary forms commonly used, and of any size desired.

The letter A represents the tub or package, which, for convenience of carrying out my invention in an exact manner, should have in the bottom A' a groove, *b*, (see Fig. 5,) about one-fourth of an inch deep, which can be cut by turning the head in a lathe. In an ordinary flaring tub capable of holding from sixty to seventy-five pounds this groove should be about one inch from the rim.

C represents a sheet-metal cylinder, open at both ends, as will be seen by the broken place in the lower edge, and provided at one end with handles *d*. This cylinder is employed in the packing of the butter, and for each of the several sizes of tubs or packages used a cylinder of this description is requisite.

E represents a blank of thin wood, like veneering, (shown in Fig. 2,) in the form of a roll in perspective. F is a disk of thin wood, to be used as hereinafter described.

Now, to pack the tub with butter, first place the cylinder C in the tub so that its lower edge will set in the groove *b*. Then place salt in the bottom, say, to the depth of about an inch, and fill the space around the cylin-

der C, and between it and the side of the tub A, with salt—indicated by the letter *e*. Then place upon the salt in the bottom one of the thin wood disks F, which should be of a size to fit close within the metal cylinder. The thin wood cylinder E is now placed within the metal cylinder, of which, for the time, it forms the lining, and within which the butter is packed. When packed full the metal cylinder is withdrawn, leaving the butter on the bottom F, and incased in the thin wood E, and the salt below and around it.

A thin wood disk, F, is placed over the butter as a cover, resting on the top edge of the wood cylinder. Above the thin cover the tub is filled to the brim with salt, and the tub-cover G is then placed in position and secured in any suitable manner.

It will be seen that by this method of packing the butter is inclosed all around, first, by a thin wood envelope, which in turn is surrounded on all sides by dry salt packing of uniform thickness. This effectually excludes the air and heat, and retains the butter sound and sweet, and even in hot weather keeps it in firm condition.

Instead of the thin wood cylinder E and top and bottom disks F, cotton cloth or muslin may be used, which will answer quite as well. The muslin may be sewed up to form a case or bag of the size of the sheet-metal cylinder within which it is placed, and the top of the bag may be turned over outside of the upper edge of the cylinder to retain it during the packing, and the butter is then packed within the muslin, and when full the butter is covered with muslin, the metal cylinder withdrawn, and the space in the top of the tub over the muslin filled with salt exactly in the manner before described.

This inexpensive manner of packing butter in tubs, so that it shall be surrounded on all sides by a uniform thickness of salt, is effected by means of the sheet-metal cylinder and the groove in the bottom.

It will be understood that a case or box of rectangular form may be used instead of the ordinary round tub, and that with such, a metal packing-tube of form and size to correspond with that of the case is required.

Having described my invention, I claim and

desire to secure by United States Letters Patent—

1. In combination, the case A, for packing and transporting butter, provided on the inner side of the bottom with a groove, *b*, the sheet-metal packing-tube C, open at each end, and the lining E, to entirely surround the butter, as set forth.

2. The herein-described improvement in packing butter, consisting of placing within the tub a sheet-metal cylinder of such lesser size than the tub as to leave all around between the cylinder and the sides a space, placing salt in the bottom to the desired depth

and filling the space around the cylinder with salt, covering the salt at the bottom of the cylinder and the inner wall of the cylinder with a suitable lining, then filling the said lining with butter, withdrawing the metal cylinder, covering the butter substantially as described, filling the space in the top of the tub over the cover next to the butter with salt, and placing thereon the tub-cover secured in any suitable manner, as set forth.

WELCOME WHITE.

Witnesses:

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