R. R. JONES.
Butter-Tub.

No. 219,268. Patented Sept. 2, 1879.

Fig. 1.

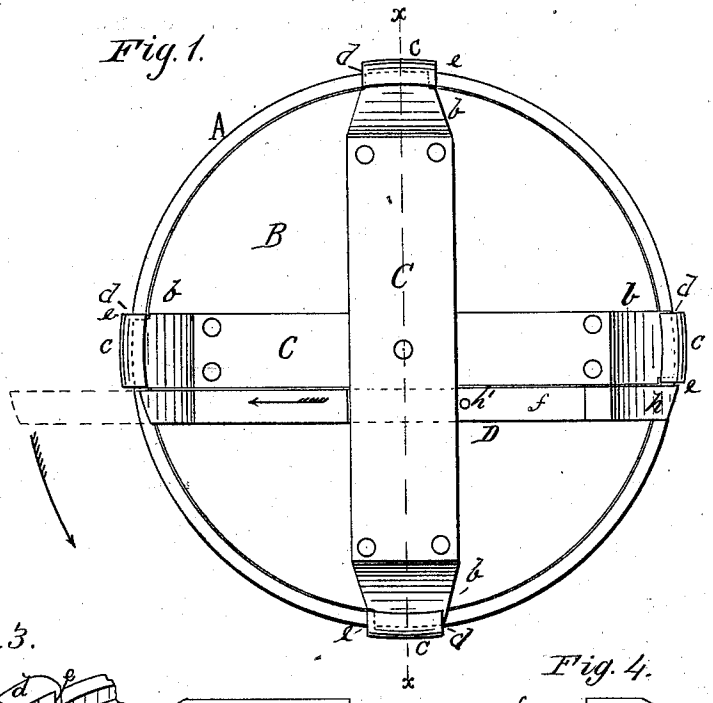


Fig. 3.

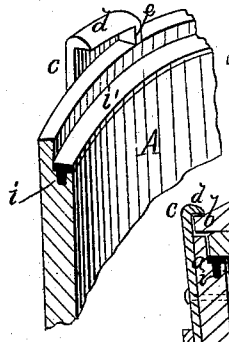


Fig. 4.

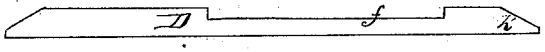
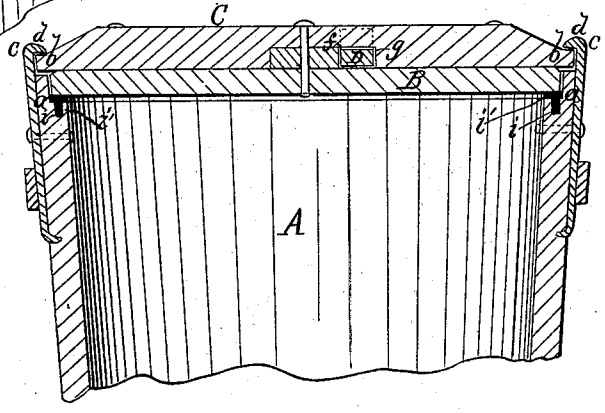


Fig. 2.



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UNITED STATES PATENT OFFICE.

RICHARD R. JONES, OF REMSEN, NEW YORK.

IMPROVEMENT IN BUTTER-TUBS.

Specification forming part of Letters Patent No. **219,268**, dated September 2, 1879; application filed July 8, 1879.

To all whom it may concern:

Be it known that I, RICHARD R. JONES, of Remsen, in the county of Oneida and State of New York, have invented a new and Improved Butter-Tub, of which the following is a specification.

The object of my invention is to provide a simple and economical arrangement for fastening the covers of butter-tubs, so as to make them perfectly secure and air-tight; and it consists, first, of cross-bars applied to the top or cover at right angles to each other, the ends whereof are adapted to enter under the flanges of ears projecting above the top of the tub, and thus fasten the cover securely in place; and, lastly, it consists of a key for preventing the cover from becoming disconnected from the ears, and which also serves, when drawn out, as a lever for turning the cross-pieces under or out from the ears, as may be required.

In the accompanying drawings, Figure 1 is a top plan of my improved fastening applied to a cover. Fig. 2 is a cross vertical section of the same on line *x x*, Fig. 1; and Fig. 3 is a perspective view of one of the ears and the cover-seat with the packing. Fig. 4 is a side elevation of the recessed key.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the butter-tub, near the top whereof, on the inside, is formed an annular seat, *a*, to receive the edge of the cover B, as distinctly shown in Fig. 2. On top of the cover are placed two cross-bars, C C, the reduced ends *b* of which project slightly beyond its periphery. On the outside of the edges of the tub, at the top, are placed four ears, *c c c c*, the upper edges whereof are turned over toward the tub at right angles, forming flanges *d*, and the space between these flanges and the edge of the tub is closed at one end (the same end in all the ears) by a downward projection, *e*, the other end being left open.

To fasten the cover on, it is placed in the seat with the ends of the cross-bars forward of the ears. It is then turned on its axis until the ends *b* pass under the flanges *d*, and are stopped by the closed ends *e*, when the cover is fastened on in the manner shown in Figs. 1 and 2.

To lock the cover in place, I use a key, D, with its reduced portion *f* placed under or through a mortise, *g*, in one cross-bar, so that it will be parallel to the other cross-bar, and close alongside of it. The shoulders at the end of the reduced portion limit the movement of this key. In one direction it can be moved until its ends are over the top of the tub, as shown in Fig. 1; but in the opposite direction one end can be moved beyond the periphery of the tub, as indicated by the dotted lines in the same figure. When pushed in, the end *h* lies against the ear on the side where the projection *e* closes the end of the space under the flanges, and thus prevents the cover from turning or being turned to release the ends of the cross-bars from the ears; but on shoving the key out into the position indicated by the dotted lines, it releases the ear, and by using its projecting end as a lever and turning it in the direction of the arrow, the ends of the cross-bars are carried from under the flanges and the cover released. This key furnishes an efficient lock for the cover, that prevents it from becoming unfastened in shipping, and in case the cover swells or sticks from any cause, it furnishes a convenient lever for turning it. To fasten this key and prevent it from slipping out in position to allow the cover to be unfastened, I insert a pin or tack, *h'*, in it, which, abutting against the cross-bar at right angles to the key, prevents the key from slipping in the direction indicated by the dotted lines.

In the seat *a* is a groove or channel, *i*, in which is placed the strip of felt packing *i'*, the edge projecting out of the groove, so as to be in contact with the under edge of the cover to pack the joint and prevent the entrance of air. The packing being confined in the groove, it does not readily come out on removing the cover. By using the four ears and cross-bars placed at right angles to each other, an even pressure is maintained on the cover all around, which effectually prevents its warping.

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

1. The combination, with tub A, having annular seat *a*, the cover B, and the cross-

bars C, having reduced ends *b*, of the ears *c*, having flanges *d*, and downward projection *e*, as shown and described.

2. In combination with the cover, cross-bars, and ears, the key D, held under one of the cross-bars, and adapted to slide in, so that one of its ends *h*, bearing against the adjacent ear, prevents the cover from turning, and thereby locks it in place, and which is also adapted to slide out into the position indicated by the dotted lines, and thus serve as a lever for turning the cover to unfasten the same, substantially as described.

RICHARD R. JONES.

Witnesses:
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