

J. G. KOEHLER.

Butter-Tubs.

No. 158,592.

Patented Jan. 12, 1875.

Fig.1.

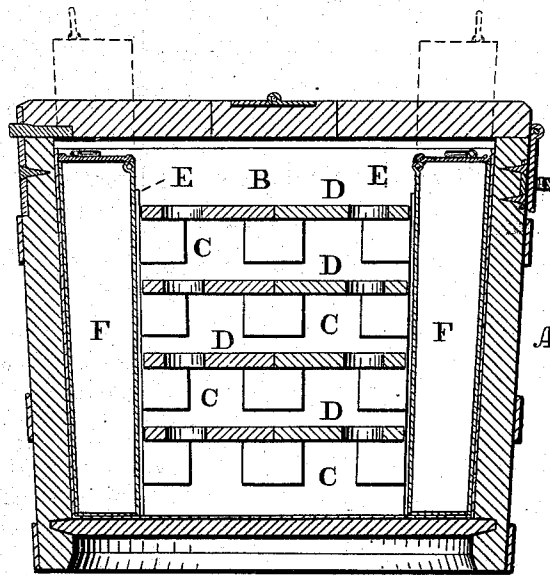


Fig.2.

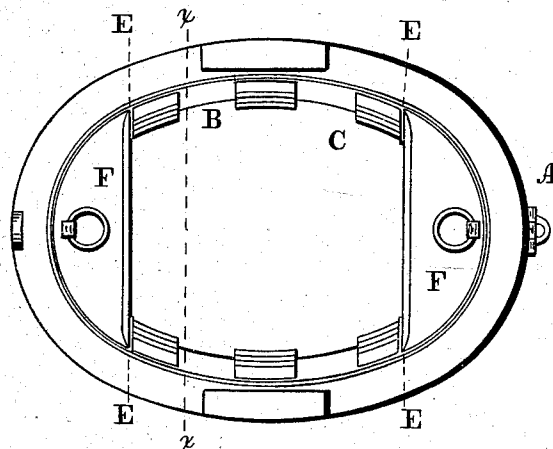
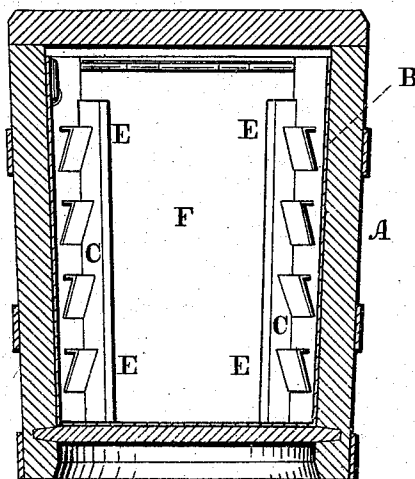


Fig.3.



Witnesses:

L. F. Brown.

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN BUTTER-TUBS.

Specification forming part of Letters Patent No. **158,592**, dated January 12, 1875; application filed October 7, 1874.

To all whom it may concern:

Be it known that I, JOHN G. KOEHLER, of the city and county of Philadelphia and the State of Pennsylvania, have invented a new and useful Improvement in Butter-Tubs; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a central longitudinal vertical section of the device embodying my invention. Fig. 2 is a top view thereof. Fig. 3 is a transverse vertical section in line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

It is well known that butter-tubs are provided with ice-chambers which are stationary in the tubs, and that, in order to cleanse the said chambers properly, pack ice therein, or remove the water or unnecessary ice therefrom, the contents of the tub, including the butter, and shelves on which the latter rests, require removal. This is a matter of serious inconvenience, which my invention is designed to remedy. To this end, the ice-chambers are rendered removable, and provision is made to prevent the disturbance or displacement and disfiguring of the butter during the operation of application and removal of the chambers.

Referring to the drawings, A represents a wooden tub within which is fitted the metallic receptacle B, on which is constructed a series of ledges, C, on which are sustained the shelves D for supporting the pounds or pieces of butter. On each end of the receptacle B there are secured upright strips E, which project laterally from the sides of the receptacle at points between the center and sides, so that at each end of the receptacle there is left a vertical space, for the reception of removable ice-chambers F, which are of form corresponding to the end spaces of the receptacle, whereby, when said chambers are applied in position, they fit snugly between the strips E and the adjacent sides of the re-

ceptacle, and are prevented from movement or encroachment on the space or portion allotted to the storage of the butter.

It will be seen that the chambers may be packed with ice or cold water without necessarily having the receptacle carried to the place of supply of the cooling medium; or the ice may be supplied to the chambers when in position in the receptacle, either before or after packing the butter.

In case the ice has melted when the tub is in the wagon or other means of transportation, the lid of the tub may be opened, the ice-chambers quickly removed, and the lid again closed, thus preventing entrance of warm air to the butter. The chambers may then be filled or packed with ice, and returned in position without having disturbed in the least the pieces of butter, or subjecting the person in charge to inconvenience of cutting the ice, or introducing it into the chambers in places where there is but little room or facility for work.

When the receptacle is to be cleansed, the chambers are removed, and every part of the receptacle and chambers is made accessible and adapted for manipulations of cleansing in the most convenient manner.

As the strips E project into the body of the receptacle B, they serve to prevent the sides of the pounds or pieces of butter touching the inner sides of the chambers, and thus the removal and application of the butter and chambers, and the consequent unshaping of the former. Moreover, if there is any leakage in the ice-chambers, the said chambers only need handling for purposes of soldering, thus providing a great convenience for the tinsmith's work.

During cold weather the chambers may be removed and allowed to remain in the dairy or elsewhere, whereby the weight of the tub is lessened.

These several advantages will be duly appreciated by the farmer or butter-merchant, especially as cleanliness of the tub, ease of applying and removing the ice-chamber, and non-disturbance of the contents of the tub are matters of vast importance.

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

1. The combination, with the receptacle B of a butter-tub, A, of the ice-chambers E, removably fitted to said receptacle at the ends thereof, the projecting ledges C, and the shelves D, substantially as and for the purpose set forth.

2. The receptacle B, constructed with the upright strips E, extending transversely near the sides thereof, in combination with the ice-

chambers F, removably fitted in the receptacle between the strips E and sides of the receptacle, and separated from the storage portion of the receptacle by said strips E, the parts being constructed, arranged, and operating substantially as and for the purpose set forth.

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Witnesses:

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