

J. F. CRAWFORD.
Butter-Pail.

No. 165,796.

Patented July 20, 1875.

Fig. 1.

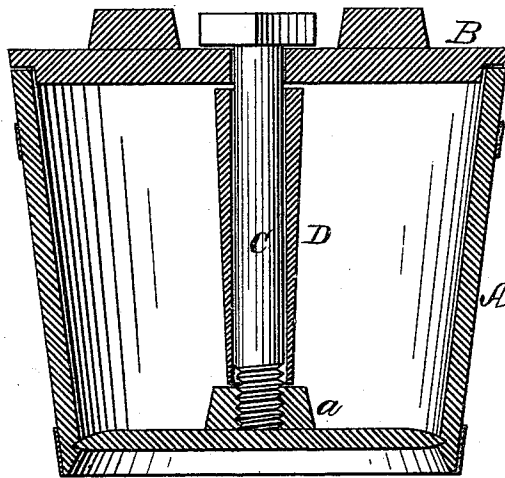
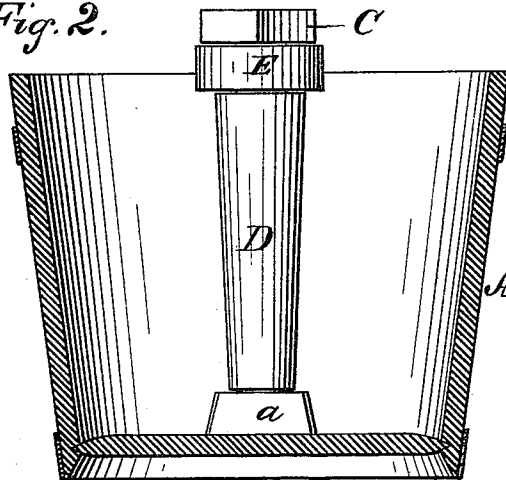


Fig. 2.



Witnesses:

Donn Twitchell.
Will H. Dodge

Inventor:

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By his attys.
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UNITED STATES PATENT OFFICE.

JOSEPH F. CRAWFORD, OF CAZENOVIA, NEW YORK.

IMPROVEMENT IN BUTTER-PAILS.

Specification forming part of Letters Patent No. **165,796**, dated July 20, 1875; application filed June 7, 1875.

To all whom it may concern :

Be it known that I, JOSEPH F. CRAWFORD, of Cazenovia, in the county of Madison and State of New York, have invented certain Improvements in Butter-Pails, of which the following is a specification :

My invention consists in the combination of a central rod or bolt, extending from top to bottom, to hold the lid or cover in place, and a sleeve or tube surrounding said rod, and in a ring or washer to be used in connection with the tube and bolt when filling the pail with butter, as hereinafter more fully explained.

Figure 1 represents a vertical central section of my pail with the lid fastened thereon. Fig. 2 a section of the pail with the lid removed, and the bolt-sleeve and washer adjusted as when filling the pail with butter.

A represents a pail, which may be made in the ordinary manner, and B its lid or cover, also made in the ordinary manner, with its edge rabbeted or shouldered so that it will enter slightly into the pail, as shown in Fig. 1. On the bottom of the pail there is secured a central nut, *a*, and in the center of the lid there is a hole to admit a vertical bolt, C. The bolt C is made with a head on its upper end to bear upon the lid, and with a screw on its lower end to enter the nut, so that when inserted and screwed down in place, as in Fig. 1, it holds the lid firmly and tightly in place on the pail.

A tube or sleeve, D, extending from the lid to the bottom, for the purpose of preventing them from springing and warping under the strain of the bolt, is mounted loosely around the latter, as shown in Figs. 1 and 2. The tube or sleeve D is tapered down or made of decreasing size toward its lower end, as shown, so that when the lid is removed the tube may be readily withdrawn to permit the examination of the butter through the central opening without the employment of the usual instruments for the purpose. The conical form of the tube also admits of its being readily replaced without injuring the appearance of the butter, its replacement being also facilitated by the central opening, allowing the free escape of the air and brine from the hole

in the butter. When the pail is to be filled with the butter the tube or sleeve is placed in position, a ring, or washer E, of the thickness equal to that of the lid, placed upon the tube, and the bolt inserted through the ring and sleeve, and screwed fast to hold them in place, as shown in Fig. 2. The butter is then packed in place, the bolt and ring removed, the lid applied, and the bolt then replaced and screwed down until the lid is fastened tightly upon the pail. The ring or washer is used to fill the space which is to be occupied by the lid, so as to prevent the end of the sleeve from being covered by butter, as would happen were the ring omitted, owing to the fact that the tube is of less height than the pail in order to allow the lid to enter therein. The bolt, sleeve, and ring may all be of wood, or when the bolt is inclosed by the wooden sleeve it may be made of metal. The nut may be arranged in or under the bottom of the pail, if preferred; or, it may be attached to the lid and the bolt inserted through the bottom, although this is not considered advisable under ordinary circumstances.

By the employment of the central bolt I am enabled to produce a very cheap, simple, and durable pail, which may be opened and closed with facility, and which will not be endangered by rough usage during transportation, and by the use of the sleeve around the bolt I admit of the butter being examined and tested readily, and without disturbing the surface or injuring its appearance.

Having described my invention, I claim—

1. The combination of the pail A, lid B, rod C, and post or sleeve D, substantially as shown.

2. In combination with the pail A, rod C, and sleeve D, the washer or button E, applied as and for the purpose described.

3. In a butter-pail, a hollow post or sleeve D of decreasing diameter toward its lower end.

JOSEPH F. CRAWFORD.

Witnesses:

E. A. CRAWFORD,
S. E. BROWN.