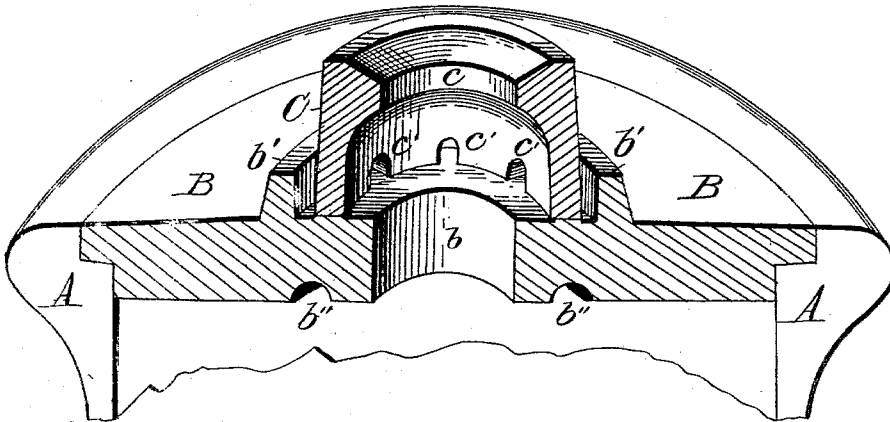


(No Model.)

G. E. BARDSHAR.
CHURN COVER.

No. 562,699.

Patented June 23, 1896.



Witnesses:
F. L. Orland
Samuel H. Jones

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UNITED STATES PATENT OFFICE.

GUY E. BARDSHAR, OF SANDUSKY, OHIO.

CHURN-COVER.

SPECIFICATION forming part of Letters Patent No. 562,699, dated June 23, 1896.

Application filed February 5, 1896. Serial No. 578,107. (No model.)

To all whom it may concern:

Be it known that I, GUY E. BARDSHAR, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Churn-Covers and Caps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to churn-covers and caps therefor, designed for use in connection with vertically reciprocating dashers on ordinary crock churns; and my improvement consists in providing the cover with an unusually large central opening and with an annular groove in its lower and an annular flange on its upper face, and the cap with base notches or vents, and its top with an opening of less diameter than the opening in the cover with which it coincides.

The object of my invention is to produce a novel cover and cap, whereby the milk or cream is prevented from being splashed out of the top of the churn, and from forming bubbles about the cap; all of which I will describe hereinafter.

The figure of the drawing is a representation of a central vertical section of my improved cover and cap, as the device appears when in position on an ordinary crock churn.

Similar letters of reference indicate similar parts.

Referring to the drawing, A represents the upper part of the cream-receptacle of an ordinary crock churn.

B designates the cover, which is circular in cross-section and provided with a large central opening *b* therethrough to allow the dasher-handle free play, and further provided with an annular flange *b'* on its upper and an annular groove *b''* on its lower face.

C represents the cap, having an opening *c* through the top thereof adapted to accommodate the dasher-handle, and having a series of inverted U-shaped notches *c'* formed in

its lower edge. The cap being a separate device is designed when in use to work and slide about on the cover B within and limited by the flange *b* thereof.

It is obvious that the groove found on the under side of the cover will have a tendency to prevent the cream from accumulating about the opening encircled thereby; and it is evident that the annular flange on the top of the cover will tend to aid the stray particles of cream or milk that perchance may come in contact therewith to return via the cap-notches *c'* to the bulk subjacent thereof; and further, it is also plain that the cap when in position on the cover will prevent the cream or milk from being splashed out during the process of churning; and the notches or vents in the lower edge of the cap will prevent bubbles from forming (and later on bursting) about the junction formed by the dasher-handle and the upper portion of the opening in the top of the cap.

I am aware that churn-covers provided with caps are not entirely new, and I do not claim the same broadly; but

What I claim is—

1. In a churn the combination with the cover having a central opening and an upwardly-extending annular flange on its upper side, concentric therewith, of the cap having a central opening in its upper end and with a series of notches in its lower edge, said cap resting loosely on the cover and confined in place by said flange, substantially as described.

2. In a churn, the combination with the cover having a central opening, an annular flange on its upper side concentric therewith and an annular groove in its under side, of the loose, movable cap seated on said cover and held in place by said flange, and having a central opening in its upper end and formed with a number of notches in its lower edge, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GUY E. BARDSHAR.

Witnesses:

ARTHUR PHINNY,
JOHN J. MURPHY.