No. 825,472. PATENTED JULY 10, 1906.

A. D. MATTERSON.

COVER FOR CHURNS.

APPLICATION FILED MAR. 22, 1906.

Fig. 1.

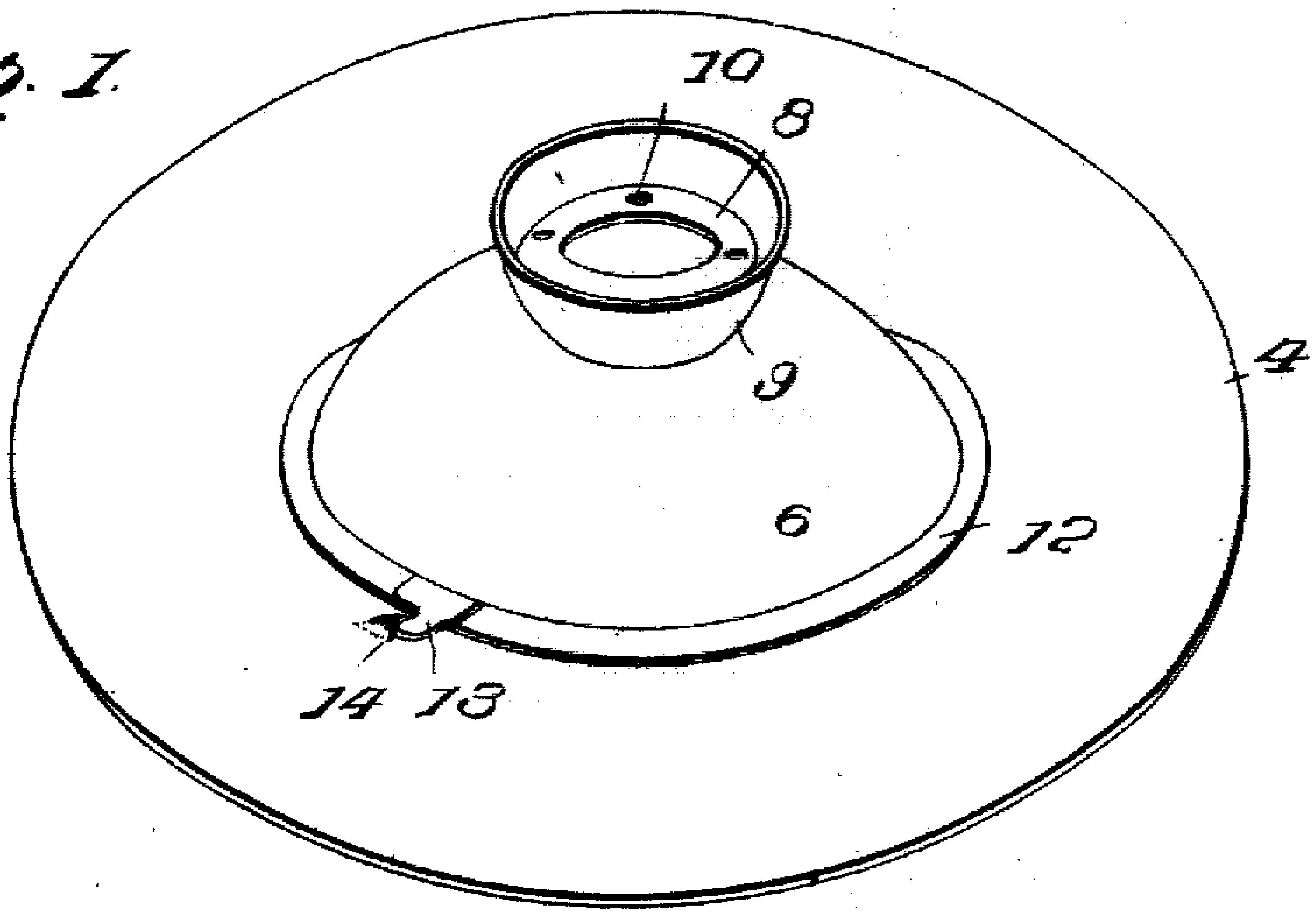

Fig. 2.

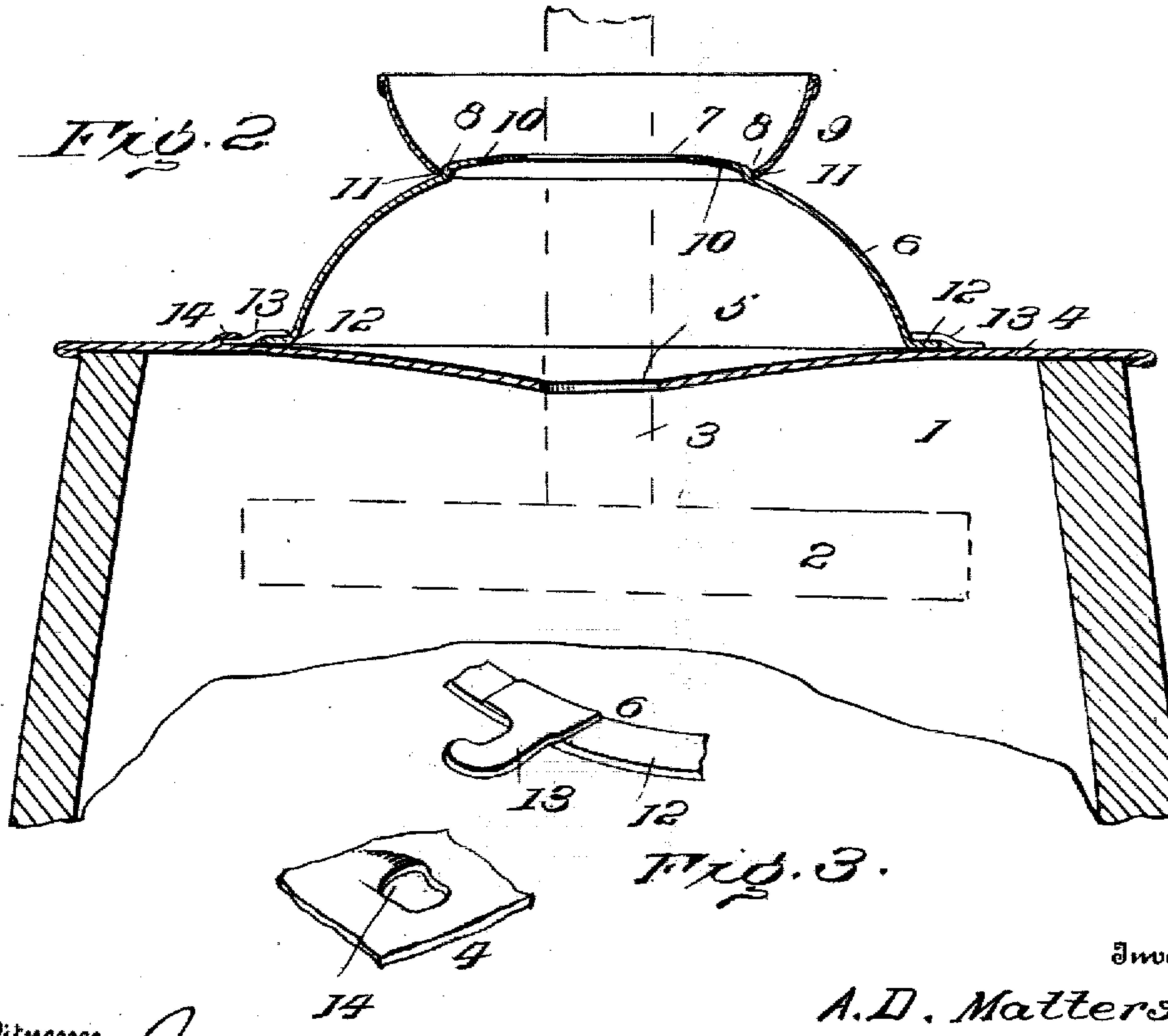

Fig. 3.

Inventor

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Witnesses

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ADAH DELPHENE MATTERSON, OF FREMONT, MICHIGAN.

COVER FOR CHURNS.

No. 825,472. Specification of Letters Patent. Patented July 10, 1906.

Application filed March 22, 1906. Serial No. 307,610.

To all whom it may concern:

Be it known that I, Adah Delphene Matterson, a citizen of the United States, residing at Fremont, in the county of Newaygo and State of Michigan, have invented certain new and useful Improvements in Covers for Churns, of which the following is a specification.

The present invention relates to an improved churn-cover which is adapted to prevent the splashing of the cream in that type of churns which are operated by means of a vertically-reciprocating dasher.

The invention comprises, essentially, an inverted-cup-shaped member which fits around the dasher-rod in such a manner as to form a chamber which will receive all the splashings and automatically return them to the churn.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of the improved churn-cover. Fig. 2 is a vertical sectional view through the same, and Fig. 3 is a detail perspective view showing one of the hook members by means of which the attachment is detachably secured to the cover.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The invention is shown as employed in connection with the conventional type of churns, in which the body is designated by the numeral 1, and the dasher and dasher-rod by the numerals 2 and 3, respectively. The cover 4 of the churn is formed with a depression upon its upper face, the sides of which slope inwardly toward the central opening 5, through which the dasher-rod 3 passes. An inverted-cup-shaped member 6 fits over the cover 4 and has an opening 7 in its base which is in alinement with the opening 4 in the cover and through which the dasher-rod 3 passes. This cup-shaped member 6 forms a chamber around the dasher-rod which will have a tendency to catch any of the contents of the churn which may splash outwardly, and owing to the fact that the upper face of the cover is formed with a depression the splashings will run back into the churn-body. In order to catch any of the cream which may find its way through the opening 7 in the cup-shaped member 6, a trough 8 is formed upon the upper portion of the member 6 by means of an annular flange 9, which surrounds the opening 7 and preferably flares outwardly, as shown in the drawings. The portion of the cup-shaped member 6 between the annular flange 9 and the opening 7 is formed with a series of openings 10, which will deliver any liquid which may accumulate in the trough 8 down upon the cover 4, whence it will run into the churn-body through the opening 5. For convenience in attaching the flange 9 in position the upper portion of the inverted-cup-shaped member may be pressed outwardly, so as to form an annular shoulder 11, to which the lower edge of the flange 9 is secured. This cup-shaped member 6 is designed to be detachably connected to the cover 4, so that it may be readily removed for cleaning purposes. It will be observed that the lower edges of the member 6 are bent outwardly to form a flange 12, which fits closely against the cover 4, and this flange 12 is provided with hook members 13, which engage with suitable eyes 14. In the present instance these eyes 14 are formed by perforations in the cover 4. When this cover is employed, it will be apparent that any of the contents of the churn which may find their way out through the opening 5 in the cover will be automatically returned to the churn and that all splashing will be prevented.

Having thus described the invention, what is claimed as new is—

The combination of a churn-body, a dasher, a dasher-rod, a cover for the churn provided with an opening through which the dasher-rod passes, an inverted-cup-shaped member formed of sheet material fitting upon the cover and provided with an opening which is in alinement with the opening in the cover and through which the dasher-rod passes, the said cup-shaped member forming a chamber around the dasher-rod which is adapted to receive any splashings, and having its upper portion pressed outwardly to form an annular shoulder, and an annular flange projecting outwardly from the upper portion of the cup-shaped member and secured to the before-mentioned annular shoulder, the said flange forming a trough around the dasher-rod which is provided with means for delivering any liquid which may accumulate therein into the before-mentioned chamber.

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

ADAH DELPHENE MATTERSON. [L. S.]

Witnesses:
JOHN F. DUNSEMORE.
CLAUD ALLEN.