No. 740,691. PATENTED OCT. 6, 1903.

R. J. POOLE.

CHURN COVER.

APPLICATION FILED MAY 26, 1903.

NO MODEL.

Fig. 1.

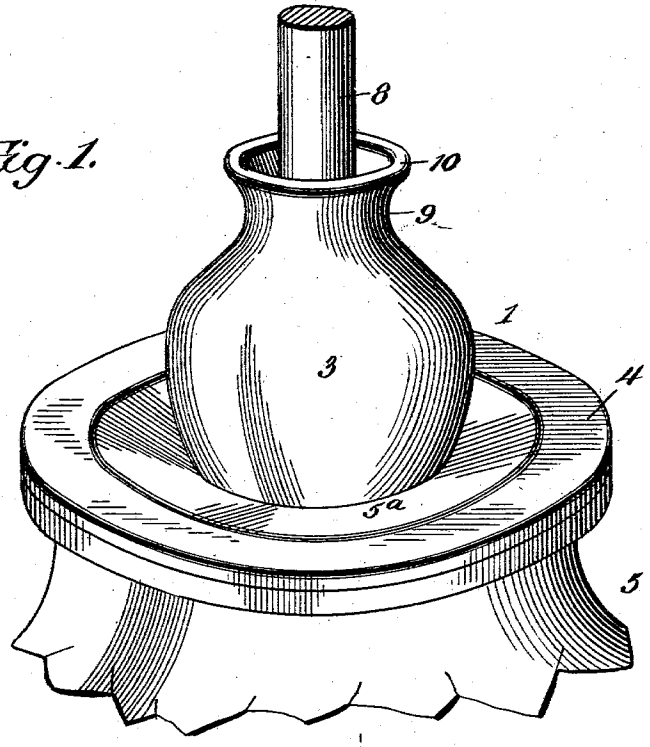
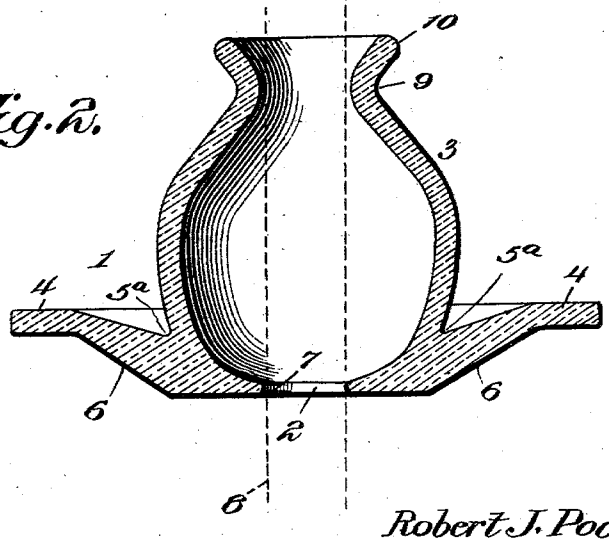


Fig. 2.



Robert J. Poole, Inventor,

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Witnesses

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No. 740,691. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

ROBERT J. POOLE, OF BURNET, TEXAS.

CHURN-COVER.

SPECIFICATION forming part of Letters Patent No. 740,691, dated October 6, 1903.

Application filed May 26, 1903. Serial No. 158,868. (No model.)

To all whom it may concern:

Be it known that I, ROBERT J. POOLE, a citizen of the United States, residing at Burnet, in the county of Burnet and State of Texas, have invented a new and useful Churn-Cover, of which the following is a specification.

The invention relates to improvements in churn-covers.

The object of the present invention is to improve the construction of churn-covers and to provide a simple, inexpensive, and efficient device designed to be employed in connection with vertically-reciprocating churn-dashers and adapted to be readily applied to any ordinary churn body or receptacle and capable of effectually preventing the contents of a churn-body from splashing out of the same through the opening in it for the passage of the dasher-rod.

A further object of the invention is to provide a device of this character which will exclude flies and other insects from the interior of a churn-body, and thereby obviate the necessity of employing a fan or similar means for driving flies from a churn.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claim may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a churn-body cover constructed in accordance with this invention and shown applied to a portion of a churn-body. Fig. 2 is a vertical sectional view of the churn-body cover, a portion of the dasher-rod being shown in dotted lines.

Like numerals of reference designate corresponding parts in both figures of the drawings.

1 designates a churn-body cover designed to be constructed of earthenware, stoneware, porcelain, glass, or analogous material and provided with a central opening 2 and having a dome-shaped hood 3, formed integral with it and extending upward from it and adapted to catch and confine all the cream or other liquid contents of the churn-body splashing through the opening 2. The cover is provided with a horizontal peripheral portion or flange 4, adapted to rest upon the upper edges of a churn-body 5, which is preferably constructed of earthenware or similar material, but which may be of any desired construction, as will be readily understood. The cover is depressed or inclined downward and inward from the flange or peripheral portion 4 to the opening 2, and it forms an exterior groove or gutter 5^a, and it presents a lower inclined face 6, which extends into the churn-body 5. The edges 7 at the opening 2 of the cover are rounded, as shown, to reduce the friction and to present smooth surfaces to a dasher-rod 8.

The inclined inner portion of the cover depends below the supporting portion or flange 4 and forms an annular tapered portion which projects into the mouth of the churn-body, whereby the cover is held against lateral movement on the same.

The inwardly-inclined portion of the cover is thickened at an intermediate point, and the hood extends upward from such thickened portion. The hood, which is in the form of a minute open-bottom jar, is bulged at its lower portion and tapers at its upper portion to within a short distance of the top to form a constricted neck 9 and to provide an upper bearing for the vertically-reciprocating dasher-rod. The hood is flared above the neck to provide a flaring or funnel-shaped portion 10, adapted to catch and drain back into the hood any liquid adhering to and carried upward by the dasher-rod.

When the dasher-rod is reciprocated during the operation of churning, the liquid splashing through the opening 2 of the cover is received within the hood or receptacle 3 and is prevented by the inclined walls of the upper portion from splashing upon the operator or upon the supporting-surface and the adjacent objects. The inner faces of the lower portion merge into the upper face of the inclined portion of the cover and a smooth surface is provided. This surface, which is

arranged at an inclination, causes all of the liquid within the hood or receptacle to drain back into the churn-body.

When the device is constructed of earthenware or analogous material, it has sufficient weight to retain its position on a churn-body without employing the usual fastening devices for securing a cover to the body. Also as the hood or receptacle is formed integral with the cover and is tapered below the flaring funnel-shaped mouth a convenient grip or handle is provided for removing the entire device from a churn-body. The inner face of the constricted neck is rounded to present a smooth surface to the dasher-rod, and the device is adapted to exclude flies and other insects from the churn-body, and as cream is not splashed over the exterior of the cover such flies and insects will not be materially attracted while churning.

What I claim is—

A device of the class described comprising a cover having a horizontal peripheral portion or flange to fit upon a churn-body and provided with an inclined inner portion thickened at the center and depending below the peripheral portion or flange and forming a tapered portion adapted to extend into the top of the churn-body, whereby the cover is held against lateral movement, said cover being also provided with a central opening, and a hood or receptacle formed integral with and rising from the thickened portion of the cover and bulged at its central portion and tapered upwardly therefrom to form a constricted neck and to provide an exterior grip, the upper end of the hood or receptacle being flared or funnel-shaped, and the inner faces of the lower portion of the hood or receptacle merging into the upper face of the inclined portion of the cover, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ROBERT J. POOLE.

Witnesses:
J. H. CHAMBERLAIN,
M. P. MAGILL.