

March 18, 1924.

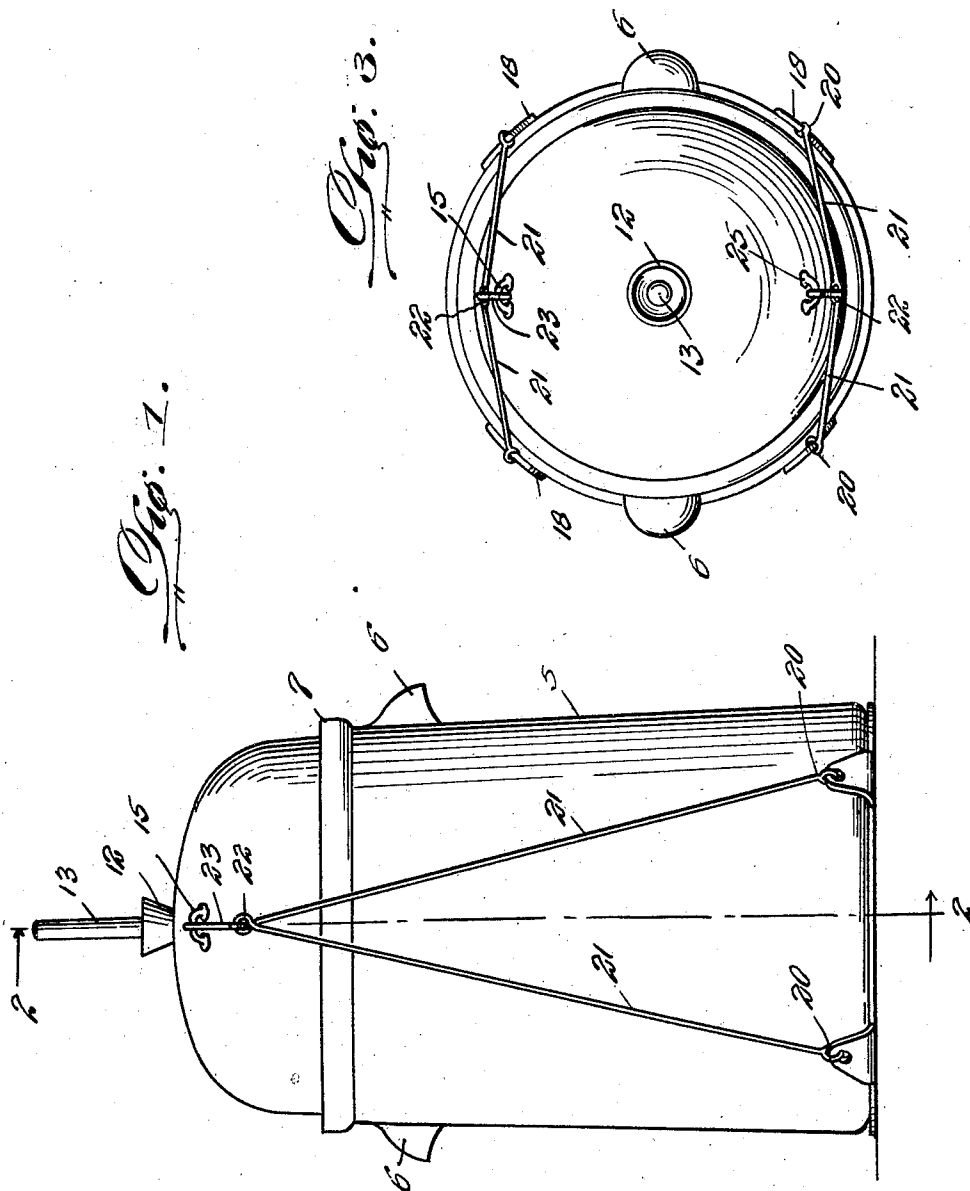
1,487,254

M. C. McFARLAND

CHURN LID

Filed Jan. 22, 1923

2 Sheets-Sheet 1



Witnesses:

H. L. Fox

H. Berman

M. C. McFarland,
INVENTOR.

BY *Clarence A. [Signature]*
ATTORNEY.

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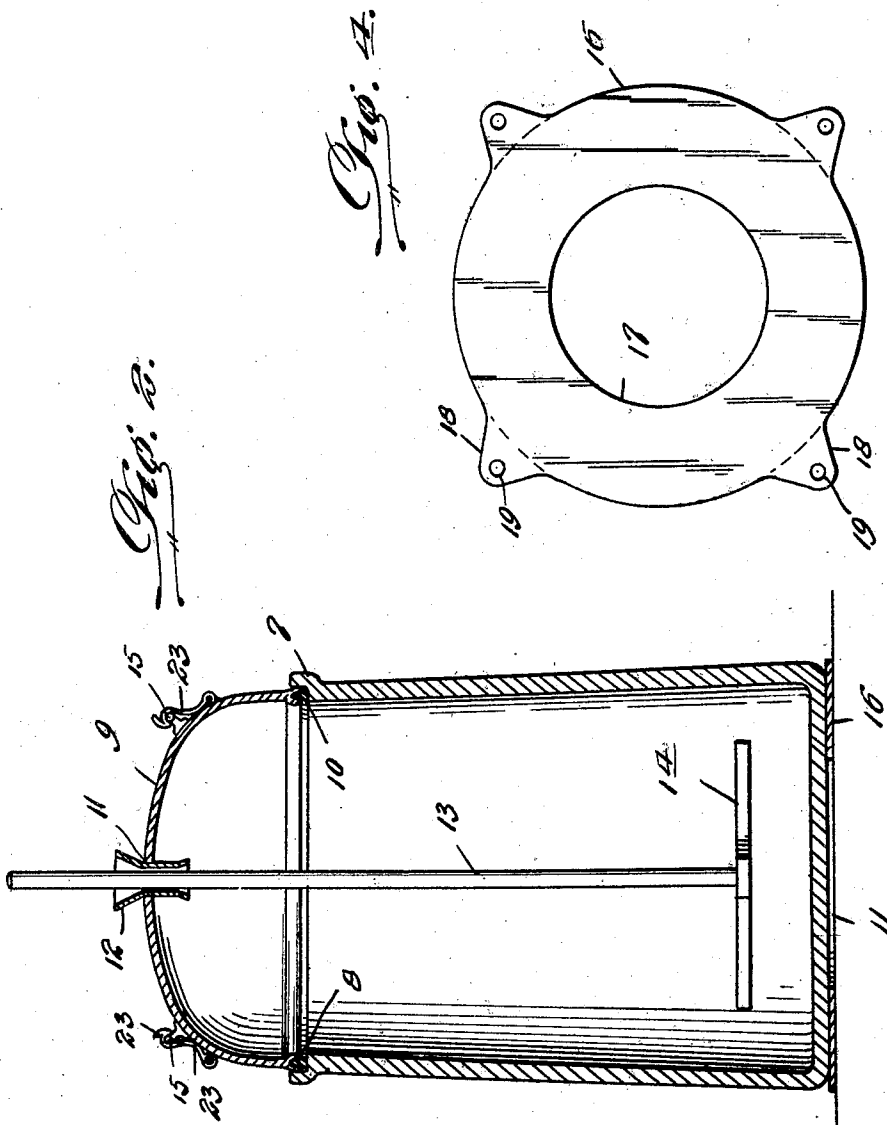
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CHURN LID

Filed Jan. 22, 1923

2 Sheets-Sheet 2



Witnesses:

J. L. Fox.

A. Berman

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UNITED STATES PATENT OFFICE.

MARION C. McFARLAND, OF COMANCHE, OKLAHOMA.

CHURN LID.

Application filed January 22, 1923. Serial No. 614,113.

To all whom it may concern:

Be it known that I, MARION C. McFARLAND, a citizen of the United States, residing at Comanche, in the county of Stephens and State of Oklahoma, have invented certain new and useful Improvements in Churn Lids, of which the following is a specification.

The primary object of my said invention is the provision of a lid for churns of any desirable shape so as to fit upon conventional type churns, means being provided for retaining the same in position upon the churn for effectively overcoming any tendency of the lid to be disengaged therefrom due to the reciprocatory movement of the usual agitating member.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with accompanying drawings, the invention residing in the construction, combination, and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein.

Figure 1 is an elevational view of a churn having my improved form of lid thereon, together with means for retaining the same in position.

Figure 2 is a vertical transverse cross sectional view upon the line 2—2 of Figure 1.

Figure 3 is a top plan view thereof, and

Figure 4 is a plan view of a plate member used in conjunction with the present invention.

With specific reference to the drawings, 5 designates any conventional form of churn body, in this instance being of annular shape in cross section having handles 6 formed upon diametrically disposed sides thereof, and adjacent the upper end. The upper end of the churn body 5 is also provided with a vertical flange 7 for forming an internal annular shoulder 8 adjacent the upper end thereof.

Adapted to fit within the said flange and for resting upon the said shoulder 8 is a lid 9, which is shown in the drawings as of substantially bowl shape and carries a packing ring 10 at its lower edge thereof for obvious purposes. The lid 9 has a central opening 11 therein, which is adapted to receive a metallic guide sleeve 12, disposed

vertically within this opening and flared outwardly at its top and bottom ends as clearly shown in Figure 2. It is obvious that the sleeve 12 effects a guide for the operating handle 13 of the usual agitator 14, and that the upper flared end of this sleeve also effects a funnel for receiving any of the fluid that would be carried upwardly by the member 13 for effectively guiding the same back into the churn.

At diametrically opposite sides, there is formed upon a lid 9 hook engaging members 15, and as a very effectual means for retaining this lid upon the top of the churn, there is provided a disk or plate 16, more clearly shown in Figure 4, which is adapted for positioning upon the bottom wall of the churn. The diameter of this disk or plate 16 is substantially equivalent to the diameter of the lower end of the churn, and may be provided with a central enlarged opening 17 for the purpose of lightness. At four points upon the periphery of this disk or plate there is formed outwardly extending ear portions 18, each of which is formed with an opening 19.

In the practical application of the member 16 to a churn the said ears 18 are bent upwardly as in Figures 1 and 3, and each are adapted to receive through the openings 19, the ring ends 20 of the rods 21. The free ends of these rods 21 are also ringed as at 22. These ringed ends of two adjacent rods carry spring hooks 23, adapted for springing engagement over the said hook receiving members 15 of the churn lid 9 when the same is positioned upon the churn.

The lid 9 as well as the disk or plate 16 may be, and preferably is, formed from sheet aluminum or the like, it of course being understood that these members may be square or rectangular shape to be used in conjunction with a similar shaped churn, and in view of the above description, it is believed that the advantages and operation of my lid and its holding mechanism will be readily appreciated by those skilled in the art, and while I have herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein, without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

In combination with a churn body, means for retaining a cover in position thereon

comprising a base plate adapted to serve as a support for the body and provided at its edges with upstanding lugs adapted to extend along the side surface of the body, a dome-shaped lid for the body, staples mounted upon the exterior surface of the lid at the opposite sides of the center thereof, and approximately at the shoulder portion of the dome configuration of the lid, rods pivotally secured at their lower ends to the lugs and arranged in pairs, the members of which converge toward each other at their upper ends, the members of the pairs of rods being brought together and having their upper ends provided with registering eyes and resilient hooks having their shanks threaded through the registering eyes of the respective pairs of rods, the bill ends of the hooks being engageable over the staples to hold the edge of the lid in close confinement with the upper edge of the body.

In testimony whereof I affix my signature.

MARION C. McFARLAND.