No. 753,984. PATENTED MAR. 8, 1904.

J. H. KING.

MILK PAIL.

APPLICATION FILED OCT. 22, 1903.

NO MODEL.

FIG. 1

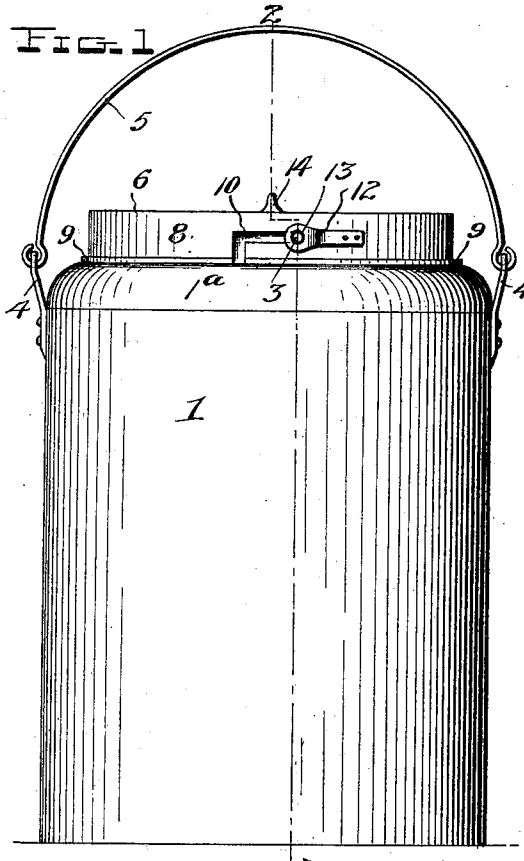
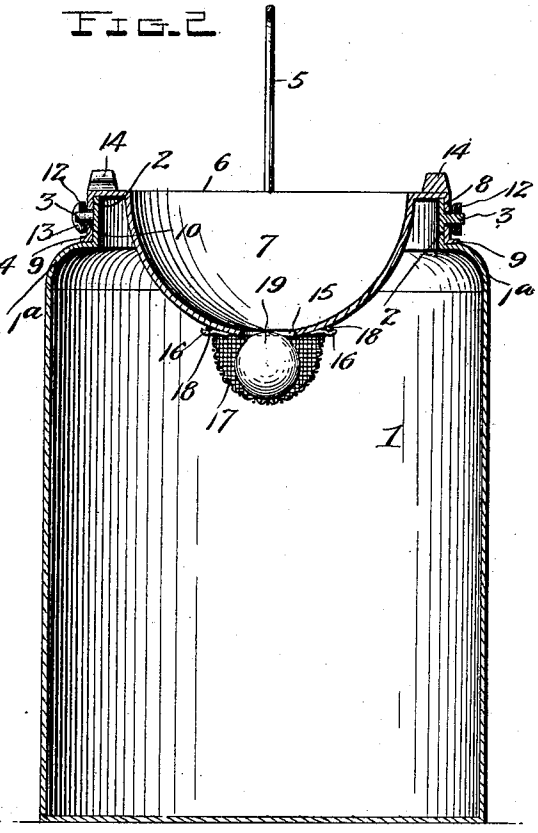


FIG. 2



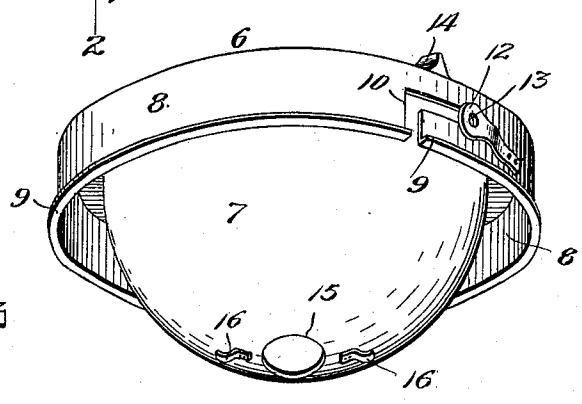
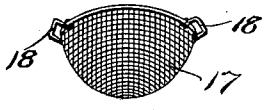


FIG. 3



Witnesses

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No. 753,984. Patented March 8, 1904.

UNITED STATES PATENT OFFICE.

JOHN HEUSTIS KING, OF GARRITY, ALABAMA.

MILK-PAIL.

SPECIFICATION forming part of Letters Patent No. 753,984, dated March 8, 1904.

Application filed October 22, 1903. Serial No. 178,087. (No model.)

To all whom it may concern:

Be it known that I, JOHN HEUSTIS KING, a citizen of the United States, residing at Garrity, in the county of Mobile and State of Alabama, have invented certain new and useful Improvements in Milk-Pails; 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.

This invention relates to a non-spillable milk-pail.

The object of the invention is to improve the construction shown in Letters Patent granted to me August 20, 1901, No. 680,779, and July 29, 1902, No. 705,678, whereby the constructions shown in these patents will be simplified, the cost of manufacture materially lessened, and the parts more quickly separated and easily cleansed.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side elevation of the pail with the parts in position for use. Fig. 2 is a vertical sectional view of the same on the line 2 2 of Fig. 1. Fig. 3 is a bottom perspective view of the cover removed, showing the combined valve basket and strainer removed and in position to be attached.

Referring more particularly to the drawings, 1 denotes a pail which may be of any desired size and shape and formed of any suitable material and is provided at its upper end with an inwardly-curved flange 1^a and a neck 2, on which is formed outwardly-projecting studs or pins 3, arranged at diametrically opposite points. The body of the pail is also provided with the usual ears 4 for the attachment of a bail or handle 5.

6 denotes a cap or cover for the pail, consisting of a receiving-bowl 7, provided at its upper end with a depending rim 8, the lower edge of which is turned outwardly to form an annular flange 9. At diametrically opposite points in the rim 8 are formed right-angularly-shaped slots 10, which open through the lower flanged edge of the rim, as shown. At the opposite end of the slots 10 are arranged spring-catches 12, in which are formed holes 13 for the reception of the studs or pins 3.

When the cover is in place on the pail, the bowl 7 projects down into the same and the rim 8 engages the neck of the pail, with the flange 9 resting on the inwardly-curved flange 1^a. When the cover is placed on the neck, the studs 3 enter the open ends of the slots 10, and when the cover is entirely on it is given a turn, which engages the horizontal portion of the slots with the studs 3 and prevents the cover being removed. The cover is turned until the spring-catches on the same reach the studs 3, when they will spring into engagement with the studs and lock the cover in place.

On the upper edge of the cover are formed lugs 14, by which a better hold may be had on the cover to turn the same.

In the lower part of the bowl 7 is formed an opening 15, and 16 denotes two curved lugs or hooks fixed to the outer side of the bowl adjacent to the opening 15 and at diametrically opposite points. 17 denotes a valve cage and strainer in the form of a wire-netting basket bound around its upper edge by a stiff wire ring, to which at diametrically opposite points are attached handles or loops 18. The cage or basket 17 is adapted to be removably supported beneath the opening 15 in the bowl by means of the handles or loops 18, which engage the hooks or lugs 16.

19 denotes a valve in the form of a sphere or ball and adapted to be supported by the basket or cage 17. The ball 19 is of greater diameter than the opening 15 in the bowl, beneath which it is supported when in its normal position. The edges of the opening form seats with which the valve engages when the pail is upset or tilted, thereby closing said opening and preventing the milk from spilling or running out of the pail. As soon as the pail is righted the ball will fall back again into the cage and uncover the opening 15 to permit the contents of the receiving-bowl to flow through said opening into the valve cage or

basket, which also serves as a strainer and removes all foreign matter from the milk before it passes into the pail.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a non-spillable milk-pail, the combination with a pail, having an inwardly-curved flange and a neck having outwardly-projecting studs, of a cover having a flanged rim to engage said neck and pail-flange, and close said pail, right-angularly-disposed slots formed in said flange and adapted to engage said studs to hold said cover on said pail, spring-catches fixed on said cover to engage said studs to hold the cover in engagement therewith, an inwardly-projecting bowl formed on said cover, a centrally-disposed opening formed in the bottom of said bowl, curved lugs fixed to the bowl adjacent to said opening, a combined valve cage and strainer arranged beneath the same and having loops to engage said curved lugs to removably support said cage, and a spherical valve supported by said cage, to close said opening upon the overturning of said pail, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN HEUSTIS KING.

Witnesses:
R. E. TERRY,
W. A. HUNTER.