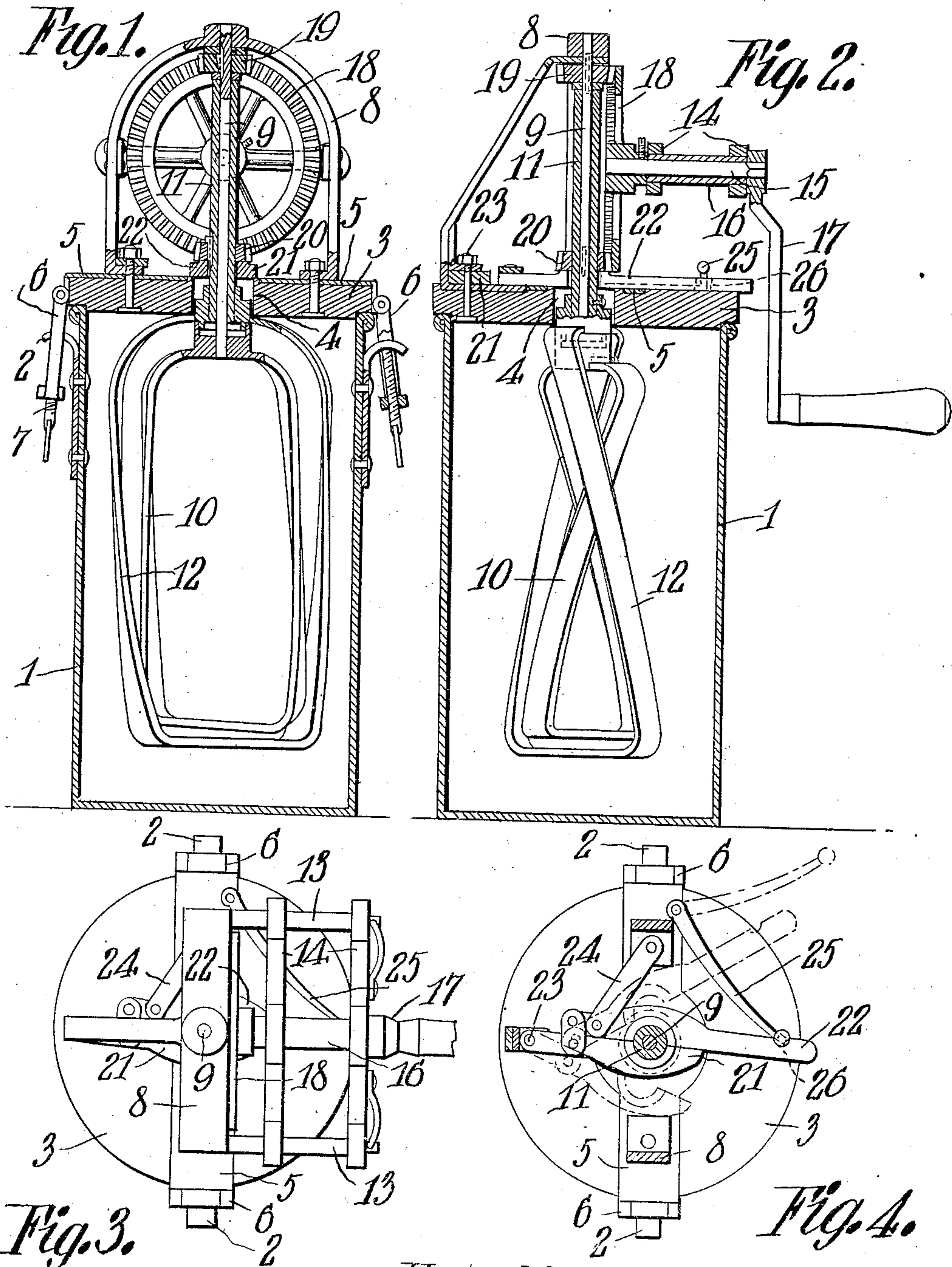


No. 839,866.

J. L. MERIDETH, DEC'D. PATENTED JAN. 1, 1907.
H. M. MERIDETH, ADMINISTRATOR.
CHURN.

APPLICATION FILED OCT. 11, 1906.



WITNESSES:

E. J. Stewart

W. H. Aughton - Clarke

Henry M. Merideth Administrator of
John L. Merideth the estate of
Deceased

By

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ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY M. MERIDETH, OF GLADSTONE, ARKANSAS, ADMINISTRATOR OF
JOHN L. MERIDETH, DECEASED.

CHURN.

No. 839,866.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed October 11, 1906. Serial No. 338,489.

To all whom it may concern:

Be it known that I, HENRY M. MERIDETH, a citizen of the United States, residing at Gladstone, in the county of Garland and State of Arkansas, administrator of the estate of JOHN L. MERIDETH, deceased, late a citizen of the United States and a resident of Gladstone, in the county of Garland and State of Arkansas, (as by reference to the duly certified copy of letters of administration hereto annexed will more fully appear,) do hereby declare that said JOHN L. MERIDETH did invent a new and useful Churn, of which the following is a specification.

This invention has relation to churns; and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a double-dasher churn, the dashers of which are mounted to rotate one within the other. Said dashers rotate in opposite directions and are voluted longitudinally. One of the said dashers is mounted upon a sleeve, while the other dasher is mounted upon a shaft which passes through said sleeve. The said sleeve and shaft are provided with gear-wheels, and a shaft is journaled for rotation upon the top of the churn and is provided with a gear-wheel which meshes with the gear-wheels of the first said shaft and said sleeve. The top of the churn is provided with a bearing through which the said sleeve passes. The said bearing is provided with a hinged member, which may be swung open for the purpose of detaching the said sleeve and its attachments from the top of the churn.

In the accompanying drawings, Figure 1 is a vertical sectional view of the churn. Fig. 2 is a vertical sectional view of the churn cut at right angles to the plane illustrated in Fig. 1. Fig. 3 is a top plan view of the churn, and Fig. 4 is a top plan view of the churn with parts intersecting.

The churn comprises the body 1, having the exterior handle or lugs 2. The cover 3 fits upon the top of the body 1 and is provided with the central opening 4. The strap 5 passes transversely across the top of the cover 3 and is provided at its ends with the hinged bails 6, which receive the lugs 2, the said bails being provided with the screws 7, which are adapted to bear against the under sides of the said lugs, thus affording a means

for positively retaining the cap 3 in position upon the body 1. The arch 8 is located upon the strap 5. The upper end of the shaft 9 is journaled in the said arch 8. The volute dasher is attached to the lower end of the said shaft 9. The sleeve 11 receives the shaft 9, and the volute dasher 12 is attached to the said sleeve 11. The dasher 10 is located within the dasher 12. The horizontal arms 13 extend from one side of the arch 8 and pass through perforations provided in the parallel bars 14 14. The shaft 15 is journaled in the sleeve 16, which connects said bars 14 14 together. The said shaft 15 is provided with a crank-handle 17. The gear-wheel 18 is fixed to the shaft 15 and meshes with the gear-wheels 19 and 20, attached to the shaft 9 and sleeve 11, respectively. The gear-wheel 20 rests upon the plate 21, which is provided with a semicircular recess of sufficient size to receive the sleeve 11. The plate 22 is hinged to the plate 21 and is provided with a recess which is adapted to register with the recess of plate 21. The plate 21 is pivoted at the point 23 to the cover 3. One end of the link 24 is pivoted to the plate 22, and the other end of the said link 24 is pivoted to the strap 5. The latch 25 is pivoted to the strap 5 and is adapted to enter the recess 26, provided in the side of the plate 22.

From the foregoing description it is obvious that as the shaft 15 and gear-wheel 18 are turned the gear-wheels 19 and 20 will be rotated in opposite directions, and consequently through their connections the dashers 10 and 12 will be rotated in opposite directions. When it is desired to remove the dashers from the cover 3, the free end of the latch 25 is swung away from the recess 26, provided in the plate 22, and the said plate is swung to one side, which at the same time swings the plate 21 laterally upon its pivot-point. Thus the said plates are separated, and the gear-wheels 19 and 20 may be passed down through the perforations 4 of the cover 3.

Having described the invention, what is claimed is—

A churn comprising a body, a cover for the same, plates pivotally mounted upon the cover and being pivotally connected together and having registering recesses, means for retaining said plates in fixed relative position, a dasher-shaft located within a dasher-

sleeve, said sleeve and shaft passing through the registering recesses of said plate, gear-wheels attached to said dasher-shaft and dasher-sleeve, a shaft journaled for rotation
5 and extending transversely with relation to the said dasher shaft and sleeve, a gear-wheel mounted upon said shaft and meshing with the gear-wheels of the dasher shaft and sleeve.

10 In testimony that I claim the foregoing as

the invention of JOHN L. MERIDETH I have herein affixed my signature in the presence of two witnesses.

HENRY M. MERIDETH,
Administrator of the estate of John L. Meri-
deth, deceased.

Witnesses:

T. F. THORNTON,
J. W. BECKER.