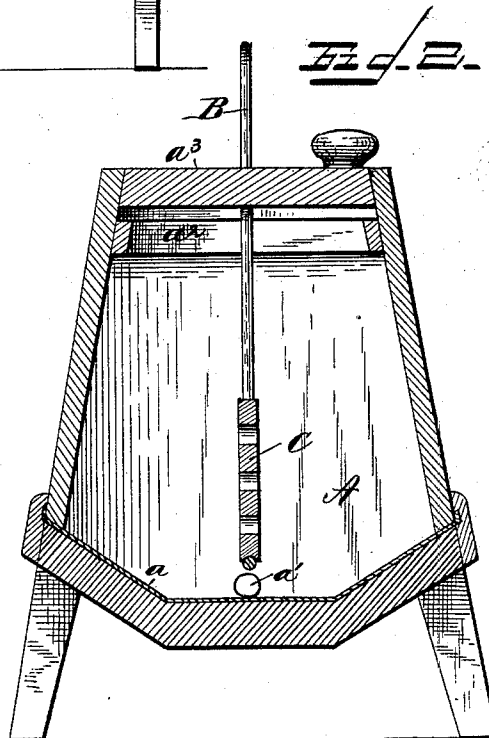
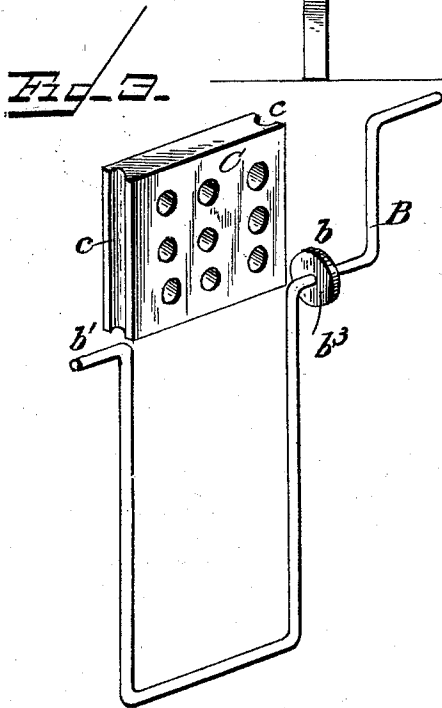
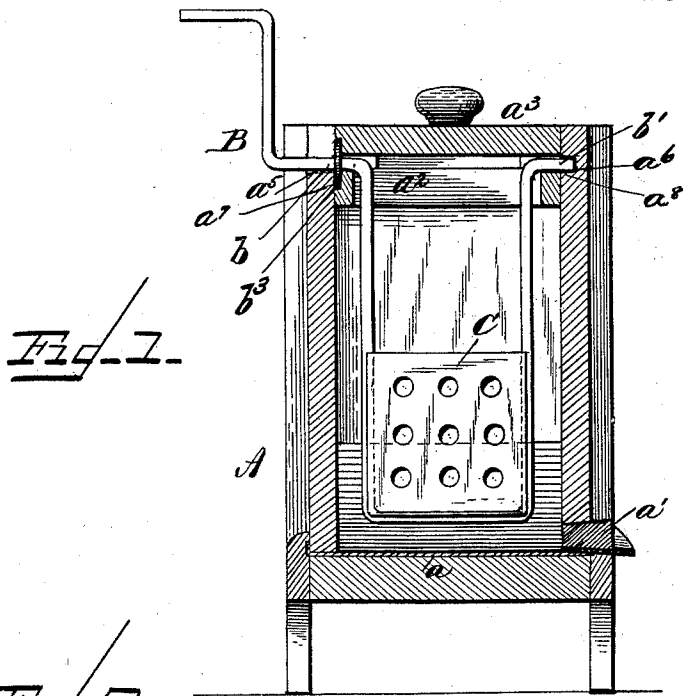


(No Model.)

D. H. PARKER.
CHURN.

No. 477,063.

Patented June 14, 1892.



WITNESSES
J. L. Ourand
L. H. Murphy

INVENTOR
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UNITED STATES PATENT OFFICE.

DANIEL H. PARKER, OF PLEASANTVILLE, PENNSYLVANIA.

CHURN.

SPECIFICATION forming part of Letters Patent No. 477,063, dated June 14, 1892.

Application filed January 15, 1892. Serial No. 418,145. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. PARKER, a citizen of the United States, residing at Pleasantville, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Churns; and I do hereby 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. My invention relates to that class of churns in which the dasher has an oscillating or pendulum movement; and the object thereof is to provide a churn which is simple and comparatively inexpensive in construction, effective and practical in operation, and easily and quickly cleaned. I attain said object by a certain construction, combination, and arrangement of parts fully described in this specification, and illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal sectional view of my invention across the center thereof. Fig. 2 is a transverse sectional view across the center. Fig. 3 is a detailed view of the parts which compose the dasher detached from the churn.

Referring to the drawings, the letter A designates the body proper of the churn, which is of any suitable construction, the bottom of which is, however, preferably semicircular in shape and lined with zinc or any suitable metallic lining *a*. Near the bottom and in the side center of said body A there is an orifice *a'*, through which the buttermilk is taken from the churn. Upon the inside and near the top of the body A there is a projection *a²* extending around said body, upon which the lid *a³* of the churn is located. At the top and in the sides of the churn there are the bearings *a⁵* and *a⁶*, which are adapted to the journals *b* and *b'*, respectively, of the dasher-holder B. It will be observed that the lower portion *b²* of said dasher-holder is U-shaped and that the perforated dasher C can be readily placed and rests therein by means of the grooves *c* upon the sides thereof. Upon the bearings *a⁵* of the crank-handle B there is formed integrally therewith the wheel *b³*, which works in the slot *a⁷* in the sides of the body of the churn. The other end *b⁴* of said dasher-holder is located in the orifice *a⁸* in the side of the churn. It will easily be seen that as the dasher-holder *b²* is U-shaped the upper portion thereof can be sprung in, as

indicated by the dotted lines in Fig. 3, and thereby readily placed in the bearings *a⁶*, and that when so placed the same will readily spring back to their normal position, by means of which the dasher-holder aforesaid is securely held in position. When it is desired to remove said dasher-holder, the top portion, as aforeindicated, can be sprung in and the same quickly removed. It will further be observed that the bearings *b* of the dasher-holder B are continued sufficiently far to be formed into a crank-handle *b⁴*, by means of which the dasher is operated.

The dasher C is provided with any desired number of perforations, through which the cream may rush to and fro when being agitated. The sides of said dasher, as heretofore described, are provided with the vertical grooves *c*. Such being the construction of said dasher and dasher-holder, it is very easy to detach them from the churn and then from each other, and when so detached they and the churn can be almost as quickly cleaned. This, together with the pendulum-like movement of the dasher of my churn within a semicircular body, constitutes the novel and valuable features of my invention. As it is evident that the same is very practical and valuable, I deem it useless to further enlarge upon its merits.

What I claim as new, and desire to secure by Letters Patent, is—

In a churn, the body provided near the top with a projection *a²*, in combination with the lid of the churn located upon said projection, the dasher-holder B, provided with the journals *b* and *b'* and the wheel *b³*, and located and working in suitable bearings upon said projection and in the sides of the body of the churn, the lower portion of said dasher-holder being U-shaped and the upper ends thereof bent outwardly at right angles, providing journals for same, one or both of said ends being continued sufficiently far to be formed into a crank-handle *b⁴*, and the dasher C, having upon its side edges the vertical grooves, whereby the same is rigidly located within the U-shaped dasher-holder, substantially as described, and for the purpose set forth.

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

DANIEL H. PARKER.

Witnesses:

L. C. MAIN,
R. M. DAVIDSON.