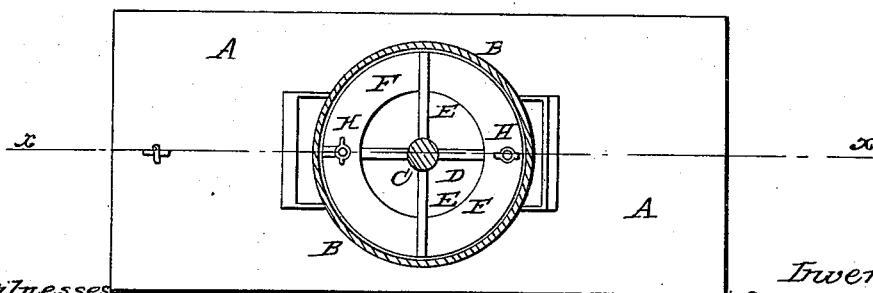


Churn Dasher.

Patented April 24, 1866.



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THOMAS K. BAILEY, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 54,092, dated April 24, 1866.

To all whom it may concern:

Be it known that I, THOMAS K. BAILEY, of Lockport, in the county of Niagara and State of New York, have invented a new and Improved Churn-Dasher; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved churn-dasher, taken through the line *xx*, Fig. 2, showing it in connection with a churn. Fig. 2 is a horizontal cross-section of the same, taken through the line *yy*, Fig. 1.

My invention has for its object to furnish an improved churn-dasher, by means of which the operation of churning may be facilitated, the butter being produced in less time and in greater quantity than when the ordinary dasher is used; and it consists of a dasher constructed and arranged as hereinafter more fully described.

A is the platform, bench, or floor upon which the churn stands. The churn B may be of any desired capacity, and should be of the same diameter at top and bottom.

C is the dasher-handle, to the lower end of which is attached the valve-head D. This valve-head is solid and is immovably attached to the end of the handle C, as shown in Fig. 1.

To the handle C, a short distance above the valve-head, is attached a cross-bar, E, to the ends of which is attached a ring, F, of such a size as to play freely within the churn B, as seen in Figs. 1 and 2.

G is a ring firmly attached to the lower ends of the vertical arms H, by which arms it is suspended from the ring F in such a position

that when the dasher is rising there may be a space between the bottom of the valve-head D and the top of the ring G, to allow the cream to flow freely through the said ring into the lower part of the churn, as shown in Fig. 1.

The arms H play freely in the ring F, and are kept from dropping out of said ring by keys passing through the upper ends of said arms, or by any other convenient means.

When the dasher descends the ring G is pushed down by the valve-head D. This closes the opening through the said ring G, and the cream is forced up between the outer edge of the ring G and the sides of the churn, striking the upper ring F with such force as to effectually break up the globules and cause the butter to be very quickly formed.

The dasher may be operated by a lever or break, I, pivoted to the upper end of the dasher-handle C. One end of the lever I is pivoted to a vertical standard, J, which standard is also pivoted at its lower end to the floor or platform A, upon which the churn stands. This allows sufficient play to the standard J, so that the handle C may ascend and descend vertically without binding.

K is the cover of the churn, which is made in the usual form and attached to the churn in the usual manner.

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

An improved churn-dasher constructed and arranged substantially as herein described, and for the purposes set forth.

The above specification of my invention signed by me this 20th day of January, 1866.

THOMAS K. BAILEY.

Witnesses:

G. W. HILDRETH,
JOSEPH CLARK.