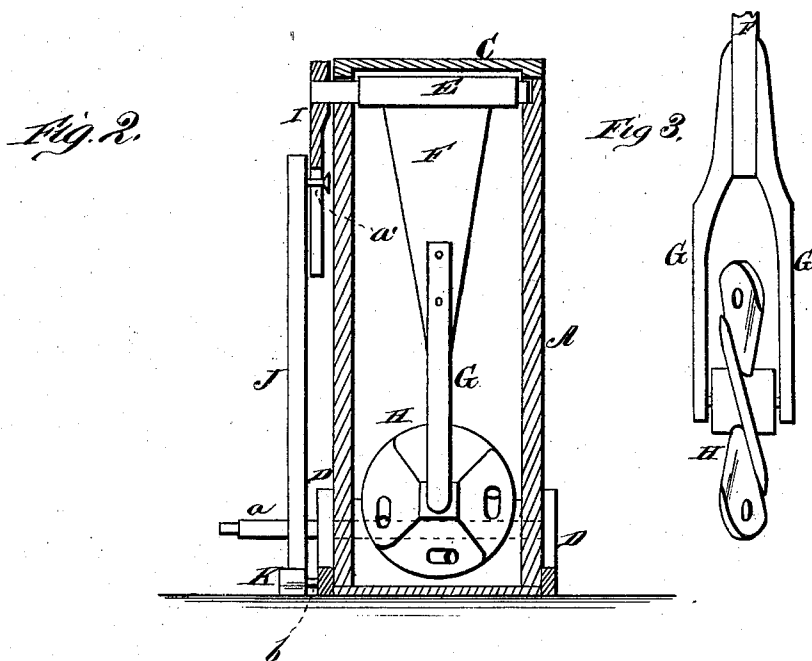
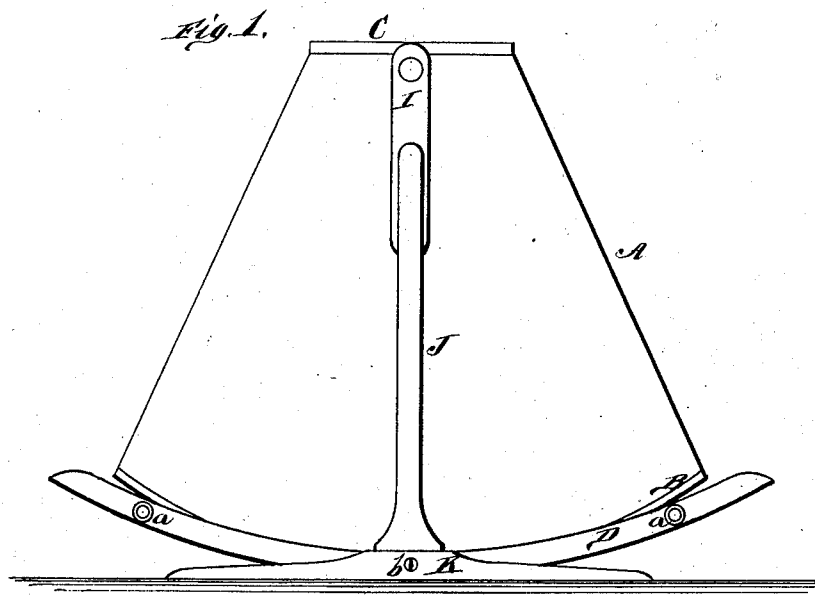


N. ROWEN.
 Rocking Churn with Vibrating Dasher.
 No. 201,633. Patented March 26, 1878.



WITNESSES
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NELSON ROWEN, OF OSWEGO, KANSAS.

IMPROVEMENT IN ROCKING CHURNS WITH VIBRATING DASHERS.

Specification forming part of Letters Patent No. **201,633**, dated March 26, 1878; application filed December 29, 1877.

To all whom it may concern:

Be it known that I, NELSON ROWEN, of Oswego, in the county of Labette and State of Kansas, have invented a new and valuable Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a front view of my churn, and Fig. 2 is a transverse vertical sectional view of the same. Fig. 3 is a detail side view of the blade and propeller dasher-wheel.

This invention relates to that class of churns having rockers or attached to rocking-chairs; and the improvement consists in the construction of the parts in a rocking churn, as will be hereinafter more fully set forth, and pointed out in the claims.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the churn-body, having curved bottom B. The sides of the churn are parallel; but the end pieces are inclined inward from top to bottom, as shown, and a lid, C, closes the top opening of the churn.

The churn-body A is secured to two rockers, D D, connected by means of two rounds, *a a*, which project on one side a suitable distance beyond the rocker. The projecting ends of these rounds are intended to be inserted in holes made for that purpose in the rocker of a rocking-chair, so that a person seated in such chair and rocking back and forth will at the same time rock the churn back and forth.

In the top edges of the sides of the churn-body A rest the journals of a shaft or cross-bar, E, from which a blade, F, extends downward. This blade is provided on its sides with two arms, G G, between which is journaled

the dasher H. This dasher is in the form of a propeller-wheel with inclined or screw-blades, each blade having one or more inclined holes through it. The wheel hangs down in the churn, with its sides facing the ends thereof.

One journal of the shaft or cross-bar E extends beyond the side of the churn-body, and is provided with a downwardly-extending arm, I, which is forked at its lower end. This forked end of the arm I is slipped over a pin or screw, *a*, projecting from the inner side of a standard, J, and this standard is provided with a foot, K, which is loosely connected to one of the rockers D at the center by a screw or pivot, *b*.

The foot K stands, as well as the rockers D, on the floor, and as the churn-body is rocked in one direction the dasher-wheel H is thrown in the opposite direction, and the wheel, revolving, causes a violent agitation of the milk, which soon brings the butter without any labor on the part of the operator.

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

1. The combination, with the rocking churn-body, of the journaled shaft E, the blade F, arms G, and the propeller dasher-wheel H, journaled between said arms, substantially as described.

2. The combination, in a rocking churn, of the churn-body A, mounted on rockers, the cross-shaft E, with dasher and wheel H secured thereto, the forked arm I, and standard J, with pin *a*, all operating in the manner as hereinbefore described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

NELSON ROWEN.

Witnesses:

WM. P. DOUGLASS,
WM. EBERT.