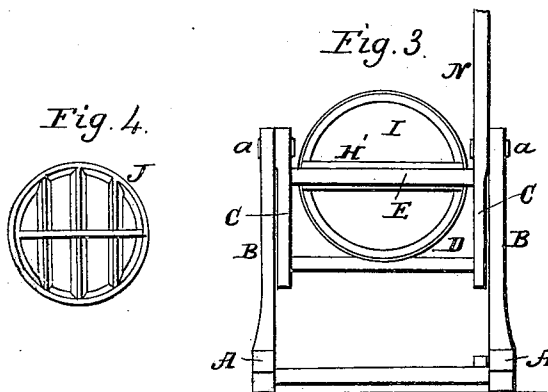
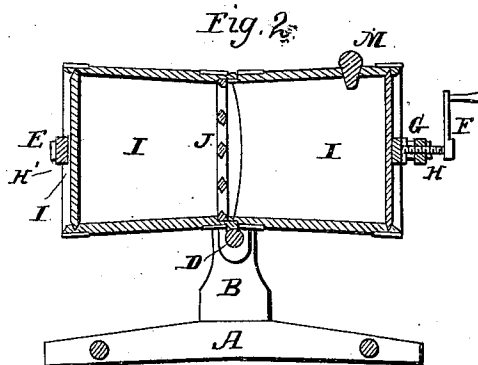
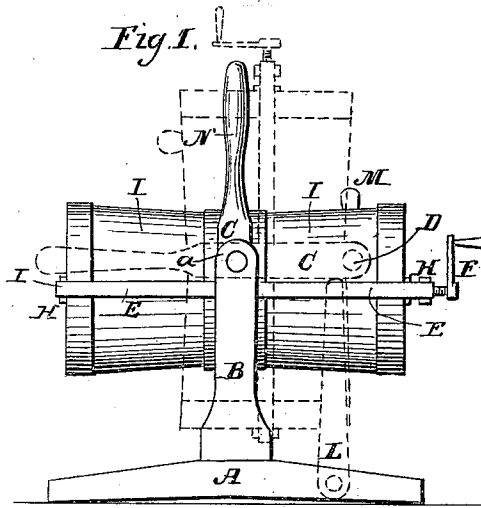


J. McLAUGHLIN.

Churn.

No. 9,117.

Patented July 13, 1852.



UNITED STATES PATENT OFFICE.

JOHN McLAUGHLIN, OF GOSHEN, OHIO.

CHURN.

Specification of Letters Patent No. 9,117, dated July 13, 1852.

To all whom it may concern:

Be it known that I, JOHN McLAUGHLIN, of Goshen, in the county of Clermont and State of Ohio, have invented a new and useful Improvement in Churns; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which—

10 Figure 1 is an elevation of the churn, the red lines representing its position upright and supported by a leg. Fig. 2 is a vertical longitudinal section through the churn. Fig. 3, is an end view, and Fig. 4 is a plan
15 of the grate.

The same letters refer to corresponding parts.

The nature of my invention consists in mounting a churn tub, or barrel, composed
20 of two sections within a metallic clasp band, united to pivoted pendant bars, whereby, (through means of a lever) the barrel is so operated as to present its ends uppermost, the one after the other, by which the milk
25 or cream is carried up in one section, and allowed to descend, through a grate, into the lower section, thus securing the most effectual agitation.

For the benefit of others whom it may
30 concern I will proceed to describe my improvement more fully.

The frame consists of two base timbers A, A, united at their ends, from the middle of which is raised two uprights B, B, to
35 whose upper ends are hung (by pivots *a a*) bars C, C, united at their lower ends by a tie round D; a short distance below the pivots *a a* there is attached to the bars C, C, a metallic clasp band E, within which the barrel is mounted, and held securely by means
40 of a clamp screw F, passing through one end of the clasp band, and bearing into a cavity made in a plate G, on the head of the barrel;—said clasp band being furnished with
45 end bars H H¹ the latter of which fit into notches in the head of the barrel, while the other serves to strengthen the end through which the clamp screw passes.

I, I, are the two sections of the barrel,
50 each made similar to the ordinary dasher churn tub; they are united at their ends, the one within the other, so as to render them water tight and prevent their separation while confined within the clasp band. At
55 the juncture of these sections there is placed a grate J, composed of a circular rim and

crossed bars see Fig. 4; it is held in a recess by the union of the two sections, see Fig. 2, and serves to partially break the passage of the milk or cream from one section to the
60 other, and facilitate the gathering of the butter. One of the bars C, is elongated so as to constitute a hand lever N by which the operator oscillates the barrel.

One part of the clasp band may be joint-
65 ed to the pendant bars for the facility of confining the barrel within the same.

Operation: The clasp band being turned to a vertical position, and supported by the bar C resting on a leg L, turned upright as
70 shown by red lines in Fig. 1; the upper section of the barrel is then removed, as well as the grate J and the cream or milk put into the lower section which rests on the clasp band, and against the round D the
75 grate is then replaced, and the detached section mounted thereon and securely clamped by the clamp screw F. The leg L is then depressed, and the barrel assumes a horizontal position. The operator then grasps the
80 handle or lever N, and oscillates the barrel so as to present its ends uppermost, the one after the other, carrying the cream upward, and allowing it to descend through the grate into the lower section. After the butter is
85 produced the butter-milk is drawn off through an aperture into which the plug M, is inserted, the sections of the barrel are then separated, the grate taken out, and the
90 butter removed.

I am aware that oscillating churns have been used before, therefore this I do not claim, but what I do claim as my improvement, and desire to secure by Letters Patent, is—
95

Mounting the churn tub or barrel composed of two sections I, I, and containing a grate J, at their juncture, within a clasp band, united to pivoted pendant bars C, C, whereby (through means of a lever) the
100 barrel is so operated as to present its ends uppermost, the one after the other, by which the milk or cream is carried up by one section and allowed to descend through the grate as described.
105

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

JOHN McLAUGHLIN.

Witnesses:

WM. P. ELLIOT,
J. G. WEAVER.