O. O. MOORE.

Churn.

No. 201,438. Patented March 19, 1878.

Fig. 1.

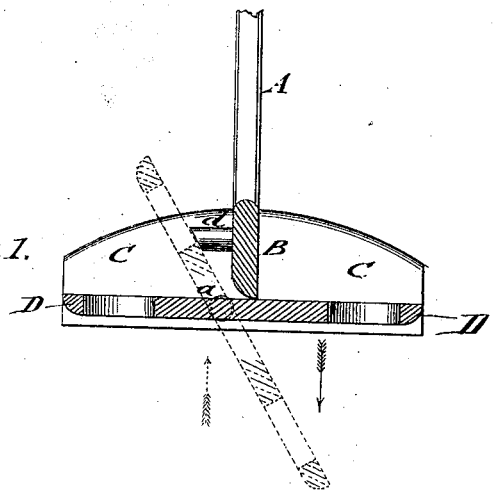
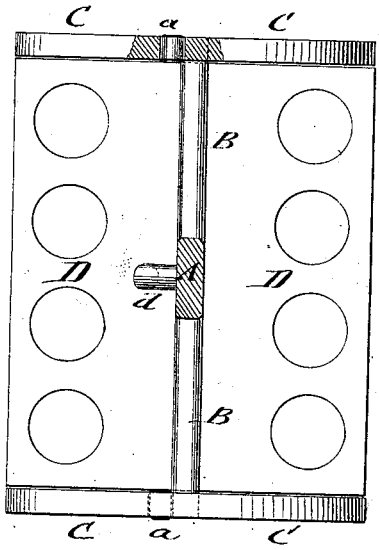


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **201,438**, dated March 19, 1878; application filed October 8, 1877.

To all whom it may concern:

Be it known that I, OLIVER O. MOORE, of Medina, in the county of Orleans and State of New York, have invented a new and Improved Churn-Dash, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical central section of my improved churn-dash; and Fig. 2, a sectional top view of the same.

Similar letters of reference indicate corresponding parts.

This invention has reference to an improved churn-dash of very simple and effective construction, which churns the cream rapidly by forcing the same quickly through the dash on the downstroke, while admitting the easy lifting or upward motion of the dash.

The invention consists of a perforated dash, pivoted eccentrically to end pieces of a cross-piece, and bearing against a stop-pin of the cross-piece during the upstroke, and horizontally against the cross-piece during the downstroke.

In the drawing, A represents the dash-rod; B, the cross-piece at the lower end of the same; C, the end pieces, secured at right angles to the cross-piece; and D, the dash, which is hung by two pivot-pins, *a*, to the end pieces C. The pivot-pins of the dash are placed at one side of its center line, so that one side of the dash is heavier than the other. The pivots are supported in holes *b* of the end pieces, that are at the same distance from the cross-piece as the pins are from the center line of the dash, so that the dash bears during the downstroke on the cross-piece, and is thereby retained firmly in horizontal position to act on the cream. The dash drops into inclined position on the upstroke, as it is eccentrically pivoted, bearing then against a projecting center-pin or stop, *d*, of the cross-piece, the upward motion being very light, as only the heft of the dash has to be overcome in lifting it out of the cream.

The dash may be made of rectangular or round shape, according as it is to be used for square or round churns. It is preferably made of wood, as metal corrodes too quickly, and is difficult to clean.

The downstroke forces the cream through the perforations of the dash, and breaks up the butter globules in quick and even manner, passing through the cream quickly from top to bottom while returning easily by the inclined position of the dash, which rests against the stop-pin, but assumes instantly its horizontal position by contact with the cream on the downward motion of the dash.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the cross-piece B, having stop *d*, the end pieces C, and the perforated dash D, the latter hung eccentrically to dash-rod, as shown and described.

OLIVER O. MOORE.

Witnesses:

E. S. SUTPHEN,

J. C. PRATT.