

MARY L. TRAVER.
CHURN DASHERS.

No. 180,963.

Patented Aug. 8, 1876.

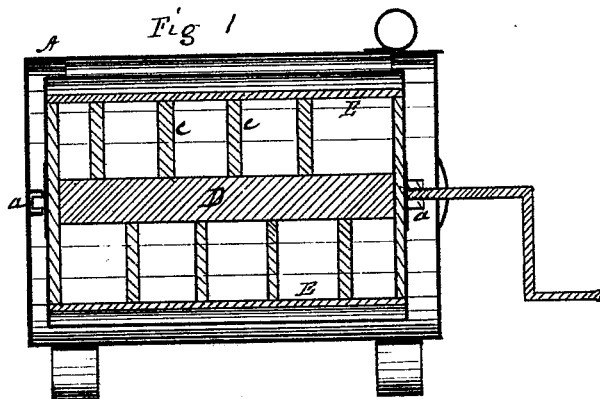


Fig 11

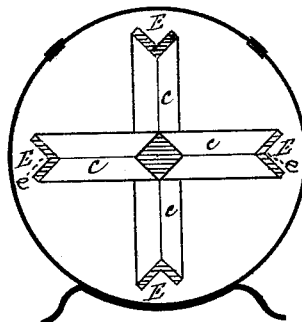


Fig 111



WITNESSES.

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UNITED STATES PATENT OFFICE

MARY LOUISE TRAVER, OF DETROIT, MICHIGAN.

IMPROVEMENT IN CHURN-DASHERS.

Specification forming part of Letters Patent No. **180,963**, dated August 8, 1876; application filed July 3, 1876.

To all whom it may concern:

Be it known that I, MARY L. TRAVER, of the city of Detroit, and State of Michigan, have invented a new and Improved Churn; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a longitudinal vertical section. Fig. 2 is a vertical cross-section. Fig. 3 is a cross-section of one of the spokes of the dasher.

The object of my invention is to produce a cheap and effective dasher or agitator for churns, ice-cream freezers, &c.; and it consists in a novel construction of dasher, as hereinafter more fully described and claimed.

In the said drawings, A is the casing of churn, and journaled in its ends, at *a a'*, is the main shaft of the dasher D. Radiating from this central shaft, and arranged alternately, are a series of spokes, *c c*, having two sharp edges, *b b*, being diamond-shaped in cross-section, as seen in Fig. 3. Set into the ends of these spokes are four longitudinal

slats, E, having in their outer surfaces rectangular grooves *e e*.

When the dasher is rotated, the grooves *e e* in the slats E carry the air into the cream, and the peculiar shape of the spokes *c c* produces constantly-varying and broken currents, and thereby the agitation is more thorough and complete, as regular rotary currents are avoided.

It is evident that my invention may be utilized as a stirrer in an ice-cream freezer, or in a variety of positions where agitation or stirring is required.

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

In an agitator or dasher, the cross-sectional diamond-shaped spokes *c c*, in combination with the slats E, provided with rectangular grooves *e e*, substantially as described.

MARY LOUISE TRAVER.

Witnesses:

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C. D. GRISINGER.