M. JINCKS.

Churn Dasher.

No. 39,050. Patented June 30, 1863.

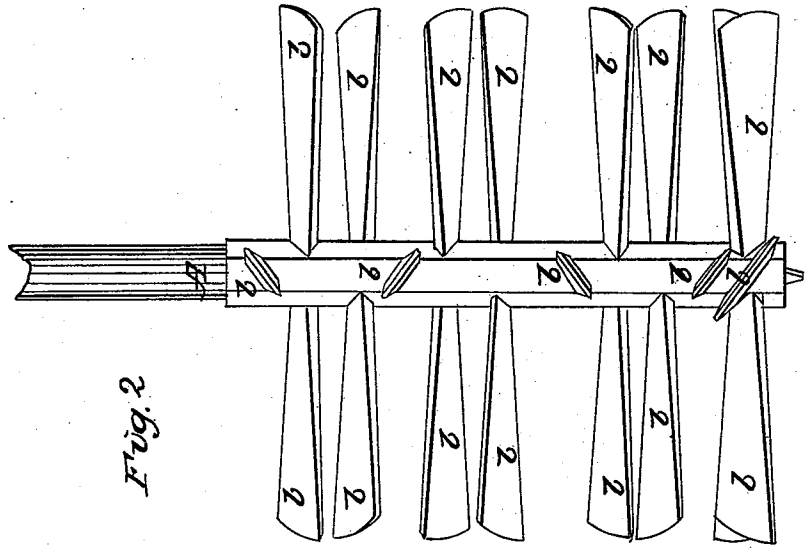

Fig. 2

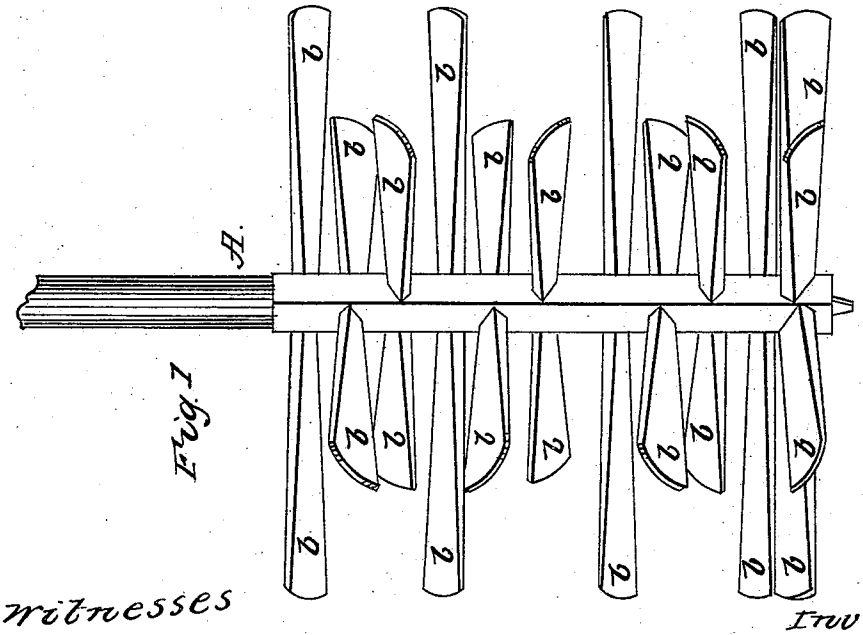

Fig. 1

Witnesses
T. P. Howe
Charly Alexander

Inventor
Malvin Jincks
Per C. M. Alexander Atty

N. PETERS. Photo-Lithographer. Washington. D. C.

UNITED STATES PATENT OFFICE.

MELVIN JINCKS, OF STEUBEN COUNTY, NEW YORK.

IMPROVEMENT IN CHURN-DASHERS.

Specification forming part of Letters Patent No. **39,050**, dated June 30, 1863.

To all whom it may concern:

Be it known that I, MELVIN JINCKS, of the county of Steuben and State of New York, have invented certain new and useful Improvements in Churn-Dashers; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 in the drawings represents a side elevation of the dasher. Fig. 2 is also a side of the dasher placed in a different position.

The letter A represents the shaft; and *b* represents the arms, which are attached to shaft A. The dasher is intended to be used in the common cylindrical churn. The shaft A is hexagonal in that part to which the arms *b* are attached, and the remaining portion is cylindrical. Into each of the several sides of the hexagonal portion of shaft A five arms are inserted at right angles with the shaft A. The arms *b* are so attached to the shaft A as that their sides form an angle of about forty-five degrees to the horizon when the shaft A is in position. The arms *b* decrease in width from their outer ends to their point of junction with the shaft A, and, being made thickest at the shoulder, where they enter the shaft A, are made to taper gradually to their outer end. The arms *b*, inserted in any one face of the hexagon of the shaft A, are placed exactly in a line with those on the opposite face, so that they constitute one series of arms, the whole number in the shaft A making three distinct series. The spaces between the arms *b* in the several series are the same, except near the bottom of the dasher A, where on one face of A two arms are inserted at a small distance apart and parallel to each other. On the opposite face of shaft A the lowest arm on A is inserted into the shaft A at an angle the reverse of that of the arm immediately above it. This position of the two arms *b* brings one edge of the lower arm near to one edge of the arm above it, merely leaving space for the milk to pass between the two edges.

The advantage I claim in my mode of construction is that my dasher will operate equally well with a rotary as with a vertical motion.

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

The arrangement of the arms *b* in the shaft A, as and for the purpose herein described.

MELVIN JINCKS.

Witnesses:

C. P. JONES,

WM. H. LIBBY.