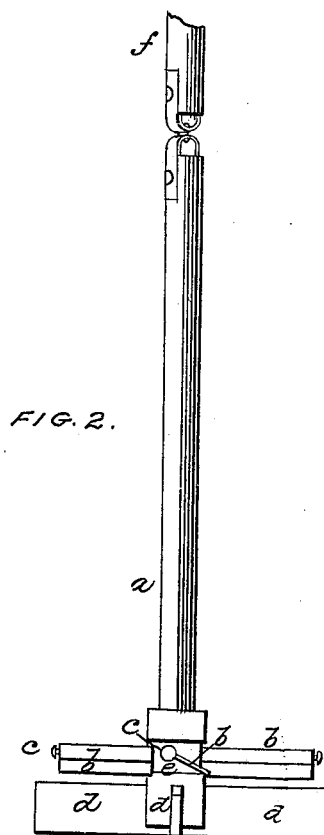
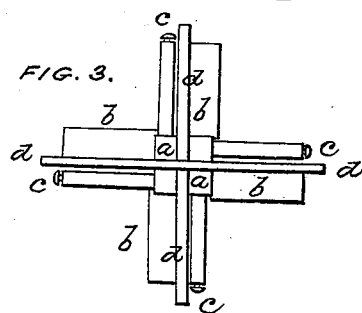
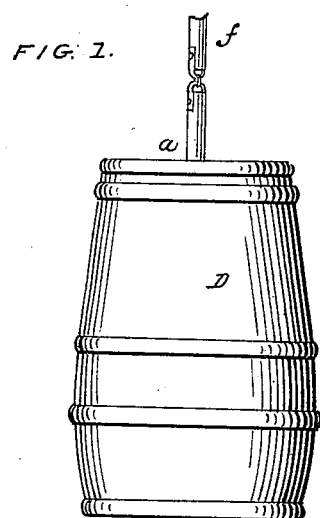


I. D. GARLICK.

Churn.

No. 7,118.

Patented Feb. 26, 1850.



UNITED STATES PATENT OFFICE.

I. D. GARLICK, OF LYONS, NEW YORK.

CHURN-DASHER.

Specification of Letters Patent No. 7,118, dated February 26, 1850.

To all whom it may concern:

Be it known that I, ISAAC D. GARLICK, of Lyons, in the county of Wayne and State of New York, have invented a new and Improved Churn; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

10 Figure 1, is a side elevation of my improved churn; Fig. 2, a side elevation of the dasher thereof detached, and Fig. 3, a bottom view of the dasher.

15 Similar letters indicate like parts in all the figures.

The vertical churn tub D, is constructed of staves in any usual and well-known manner: the dasher rod is constructed of two parts *a*, *f*, connected to each other by a swivel joint: radial wings *d*, *d*, are let into and secured to the lower extremity of the lower portion (*a*,) of the dasher rod, having their faces parallel with the sides of the rod; above the wings *d*, *d*, a recess *e*, is formed in each of the four sides of the dasher rod, in which recesses are placed the vibrating metallic beaters *b*, *b*. Each beater *b*, is secured in its place within its recess *e*, by means of a rod or bolt *c*, which passes through eyes, or a continuous beading on one edge of the beater, and has its inner end let into and firmly secured in the dasher rod: the rods or bolts *c*, *c*, are secured in such positions within the recesses *e*, that when the vibrating edges of the beaters rest upon the lower sides of the recesses (*e*,) as shown in Fig. 2, the faces of the beaters will form angles with the dasher rod of from forty to forty five degrees; and when

the vibrating edges of the beaters are thrown upward so as to strike against the upper sides of the recesses, (*e*,) the faces of the beaters will be in horizontal positions, at right angles with the dasher rod.

A reciprocating movement is imparted to the dasher by taking hold of and working the upper portion *f*, of the rod, or by attaching machinery thereto; when the dasher is operated in cream, the upward movement thereof will throw the beaters *b*, *b*, into the inclined position represented in Fig. 2, by which they will impart a rotary movement to the dasher, and thereby cause the vertical faces of the wings *d*, *d*, to aid in efficiently acting upon and agitating the cream during their upward movement; and when the dasher is forced downward, the beaters *b*, *b*, will be thrown into a horizontal position, and will thereby displace and agitate a large quantity of cream.

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

The hinging the series of beaters *b*, *b*, to the dasher rod in such a manner that their faces will be thrown into inclined positions by the upward movement of the dasher, and into horizontal positions by the downward movement thereof; when the said vibrating beaters (*b*, *b*,) are combined and act in concert with the series of vertical faced beaters or wings *d*, *d*, (upon the same dasher rod) substantially as herein set forth.

The above specification signed and witnessed this 19 day of December 1849.

ISAAC D. GARLICK.

Witnesses:

R. W. ASHLEY, Jr.

SYLVESTER WILDER.