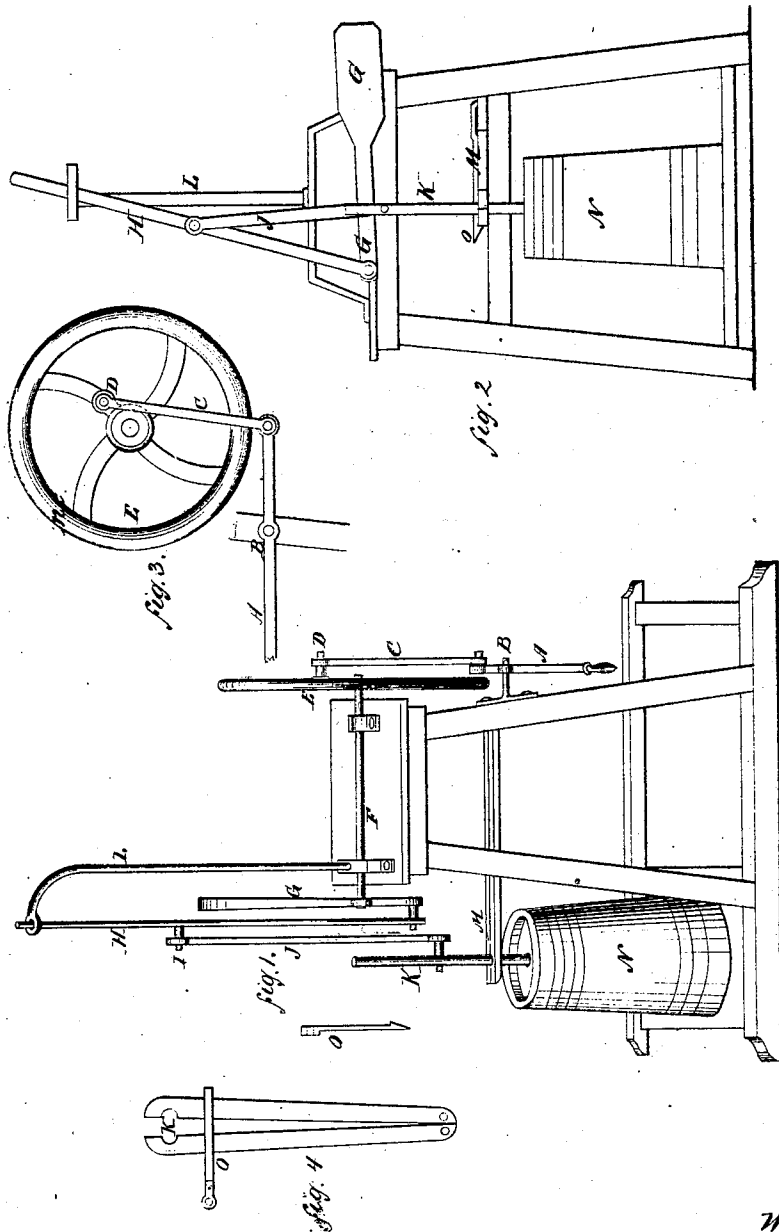


J. M. Bride, Churn.

No. 111555.

Patented Feb 7. 1871.



James M. Bride
By
J. Parker
Att.
Inventor.

Witnesses:

Victor Hagmann
Geo. Rehle.

UNITED STATES PATENT OFFICE.

JAMES McBRIDE, OF ITHACA, NEW YORK.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 111,555, dated February 7, 1871.

I, the subscriber, JAMES McBRIDE, of Ithaca, Tompkins county, New York, have invented an Improved Machine for Churning, of which the following is a specification:

My object is to enable an operator, seated at his leisure, easily to give a reciprocating motion to the dasher in churning; and the nature of my invention will be apparent as I describe it.

Figure 1 is a side elevation of my machine; Fig. 2, an end elevation, showing the churn and its immediate connections; Fig. 3, a view of the hand-lever and its connections, and Fig. 4 a top view of the clasp for the dasher.

In Fig. 1, A is the lever to which the hand of the operator is applied, pivoted at D, and connected by the rod C to the crank D on the wheel E. On the end of the shaft F, holding the wheel E, is the weighted lever and crank G, which connects with the long rod H, and just above the center of the rod H is a stud, I, from which the rod J extends to, and connects with, the dasher-handle K. The rod H slides in a hole in the staff L, and a two-parted clasp, M, holds the handle of the dasher.

In Fig. 2, N is the churn, and the letters already referred to point out the parts already made. The same is true of the part and letters in Fig. 3.

Fig. 4 shows that the clasp M opens and shuts about the handle of the dasher. A suitable frame supports the moving apparatus.

By the hand-lever motion is given to the fly-wheel, from which motion is given the shaft and weighted lever, rods, and to the churn-dasher.

The advantages and uses of my invention are apparent to those skilled in the art to which it appertains.

Claims.

I claim—

1. The arrangement of the weighted lever G, the long rod H, short rod J, staff-support L, and two-parted clasp M, acting together on the dasher K, substantially as described.
2. The arrangement of the hand-lever A, rod C, crank D, fly-wheel E, shaft F, weighted lever and crank G, rods H and I, and supports L and M, acting together and constituting my machine, substantially as described.

JAMES McBRIDE.

Witnesses:

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