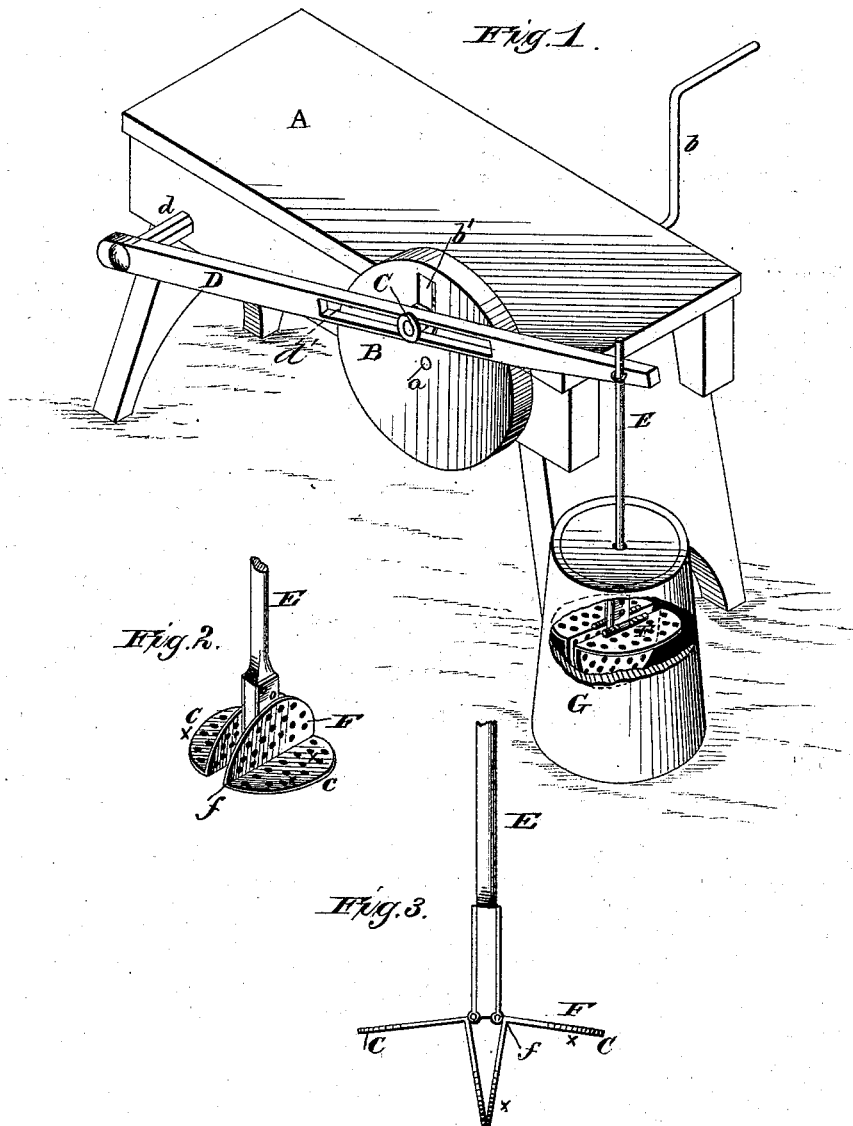


H. M. BROWN.  
Churn.

No. 217,263.

Patented July 8, 1879.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

HENRY M. BROWN, OF LORE CITY, OHIO.

## IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **217,263**, dated July 8, 1879; application filed April 30, 1879.

*To all whom it may concern:*

Be it known that I, HENRY M. BROWN, of Lore City, in the county of Guernsey and State of Ohio, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a view, in perspective, of my improved churn and motor, with a section of the churn side broken away to show the improved dasher. Fig. 2 is a detached perspective view of the dasher; and Fig. 3 is an elevation of same, showing the manner of hinging the dashers to the dasher-rod.

This invention has relation to churns; and it consists of certain improvements in the construction and operation of the same, herein-after more fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference marked thereon indicate like parts of the invention.

A is a table of suitable size and shape, having a shaft, *a*, journaled under its top, said shaft being provided at one end with a crank-handle, *b*, and at the other with a combined balance or fly wheel, B, having a slot, *b'*, in which is secured an adjustable crank-pin, C.

A lever, D, is secured at one end to the side of the table A by the bolt *d*. Said lever D is provided with a slot, *d'*, in which works the crank-pin, C, giving a perpendicular motion to the lever D. At the other end of the lever D is adjustably secured the dasher-rod E, operating the dasher F in the churn G.

It will thus be readily seen that the dasher F is conveniently and rapidly worked by operating the handle of the crank *b*.

The dasher F is of novel construction, as fol-

lows: A circular perforated metal or wood plate of proper size is bent through its diameter so as to form a right angle, as shown at *f*. The apex of the angle is then hinged to the lower end of the dasher-rod E, the construction and operation being such that as the dasher F ascends or descends the hinged motion of the wings *c c*, comprising the dasher F, creates a current in the contents of the churn G, which causes all the particles to be agitated, the better to become thoroughly operated upon when they come in contact with the dashing proper, as will be case when the dasher F is in the position shown in Fig. 2 or 3.

The convenience and great utility of the table A will be fully appreciated by those employing my invention, as a frame-work is necessary to support the churning mechanism, and in this instance said frame-work has been converted into a table on which the butter may be worked, thus making the invention a very complete and useful addition to the dairy.

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

In a mechanism for churning, the table A, having the shaft *a*, crank *b*, and radially-slotted balance-wheel B, longitudinally-slotted lever D, in combination with the dasher-rod E, having attached thereto the circular perforated plates or wings *c c*, bent through their diameter in a right-angular form at *f* and hinged to the said rod E, substantially as shown and described.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

HENRY M. BROWN.

Witnesses:

J. W. HUTCHISON,  
GEO. M. YARNALL.