

W.C. Kempf,

Churn.

No. 94,753.

Patented Sept. 14, 1869.

Fig. 1

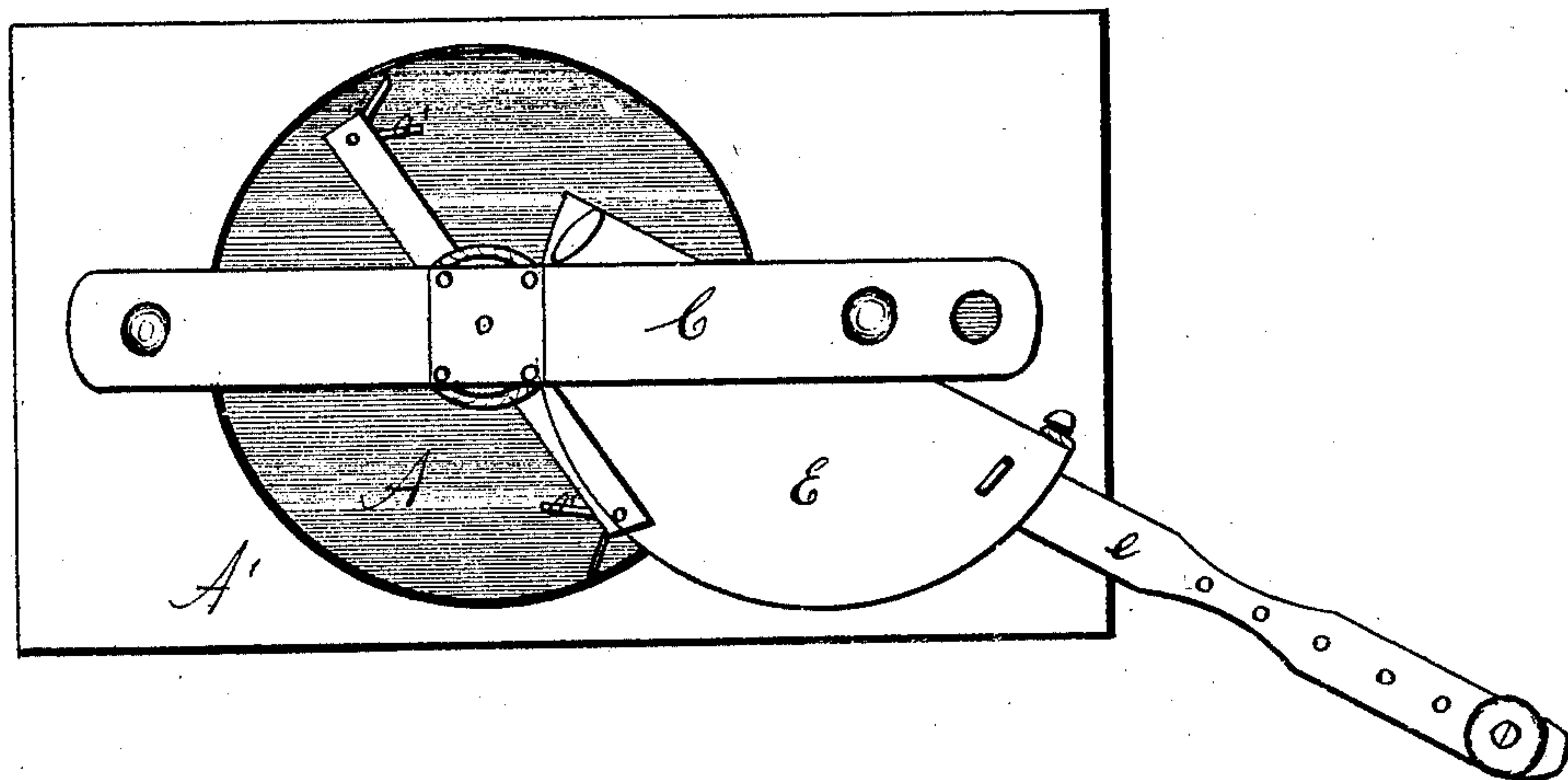


Fig. 2

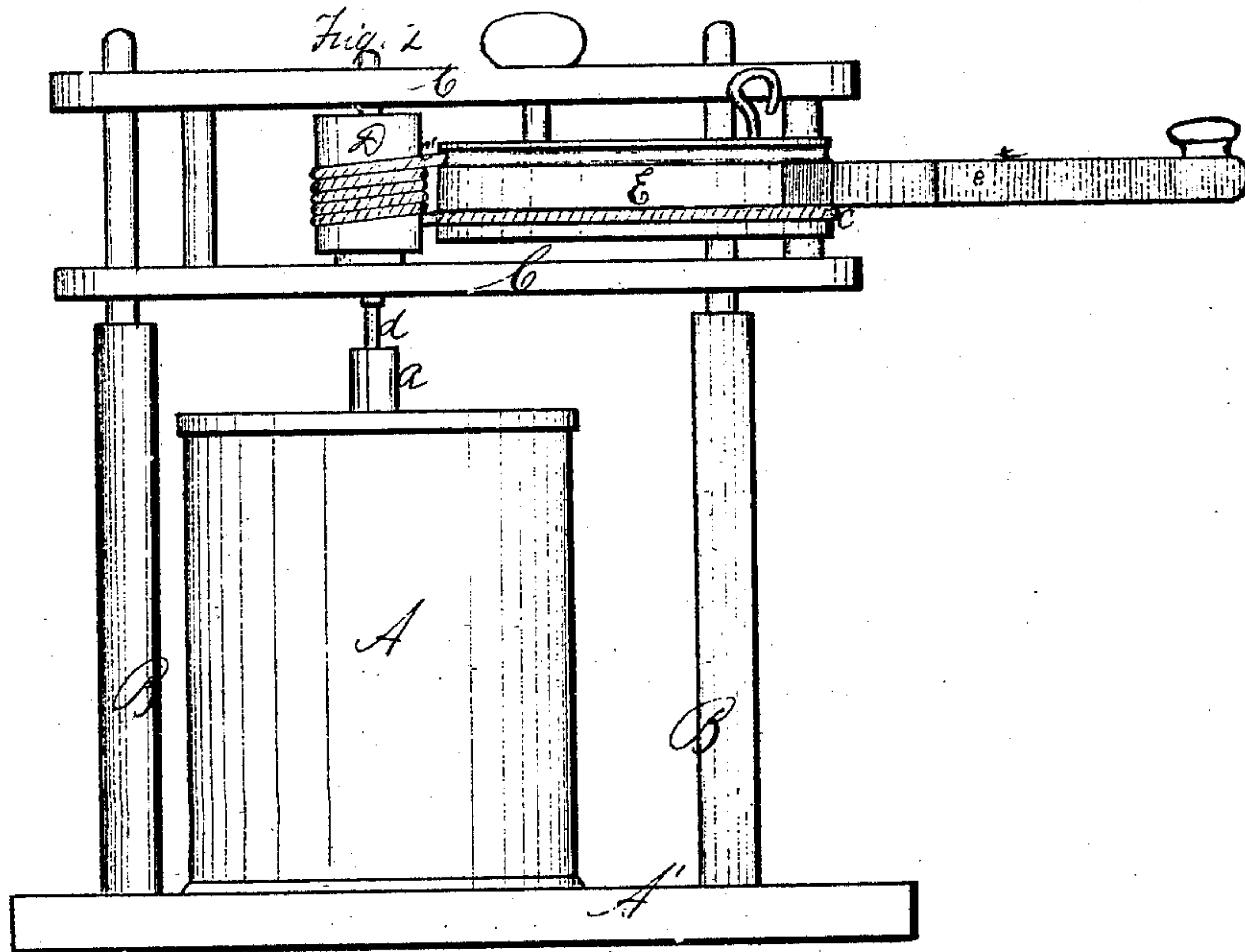
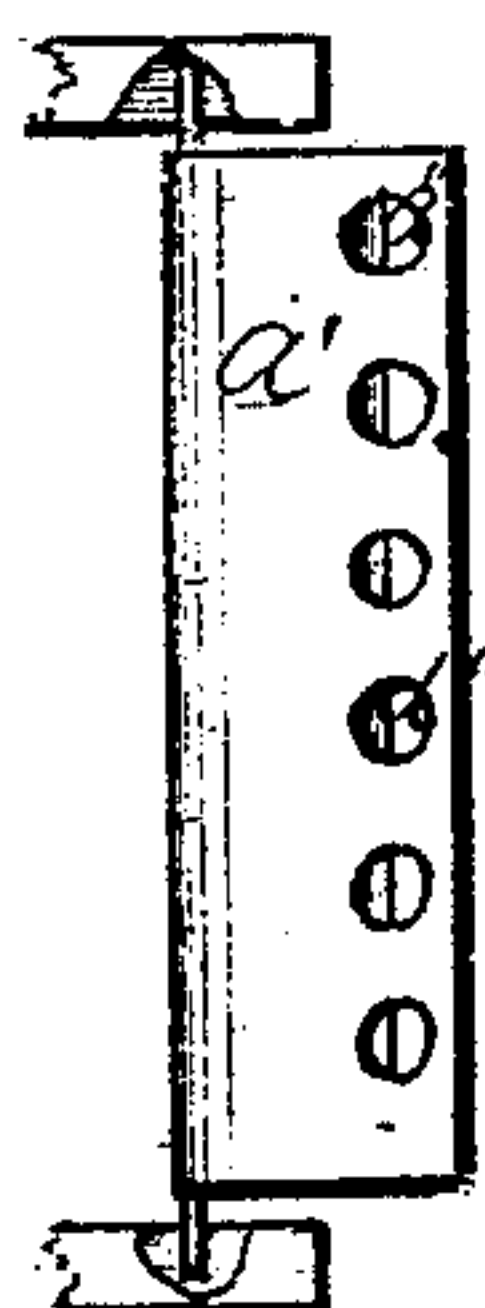


Fig. 3



Witness.  
C. O. Proctor

Inventor.  
W.C. Kempf. by  
Geo. E. Proctor.  
Atty.

# United States Patent Office.

WILLIAM C. KEMP, OF PALMYRA, MISSOURI.

Letters Patent No. 94,753, dated September 14, 1869.

## IMPROVEMENT IN CHURNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM C. KEMP, of Palmyra, in the State of Missouri, have invented a new and useful Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a plan view, and

Figure 2, a side elevation, and

Figure 3, a view of the dasher.

This invention consists partly in providing a churn-dasher with vibratory wings, which sway to and fro in the cream; also, in the provision of a peculiar mechanism for imparting a vibratory motion to the dasher, the same consisting of a semicircular block, pivoted at one side, placed horizontally, and provided with a handle, and connected by cords with a windlass on the dasher-spindle.

To enable those skilled in the art to make and use my invention, I now proceed to describe its construction and operation.

Similar letters in the drawings refer to like parts.

In the drawings—

A is a churn fixed on a platform A'.

B B are posts stepped in the platform, one on each side of the churn.

On the upper ends of the posts B is sustained a frame, C, that may easily be lifted off.

About midway of the frame is a windlass, D, the journal *d* of which extends down through the lower rail of the frame C, and enters a cavity in the top of

the dasher-spindle *a*, thus communicating the motion of the windlass to the dasher.

The dasher has a wing, *a'*, at each side, loosely pivoted upon a vertical wire; said wings being pierced with orifices *a''*, and swinging back and forth in the cream, on their pivots, as the dasher vibrates, and thus imparting an additional agitation to the cream.

A semicircular block, E, is pivoted in a horizontal position between the upper and lower rails of the frame C, and so that its curved side is next the windlass D.

Cords *c c'*, fastened to the ends of the block, are wound tightly in opposite directions around the windlass D.

A handle, *e*, projects from one end of the block, by means of which the latter may be vibrated upon its pivot, imparting a like vibratory motion to the windlass D and dasher.

The handle *a* may be connected, if desired, with a rocking-chair, so as to communicate the rocking-movement of the latter to the dasher.

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

1. The wings *a'*, hung upon pivots at the sides of the dasher, so as to whirl to and fro, substantially as and for the purpose described.

2. The block E, combined with the windlass D, in the manner and for the purpose set forth.

WM. C. KEMP.

Witnesses:

JOHN HART,

ALONZO JONES.