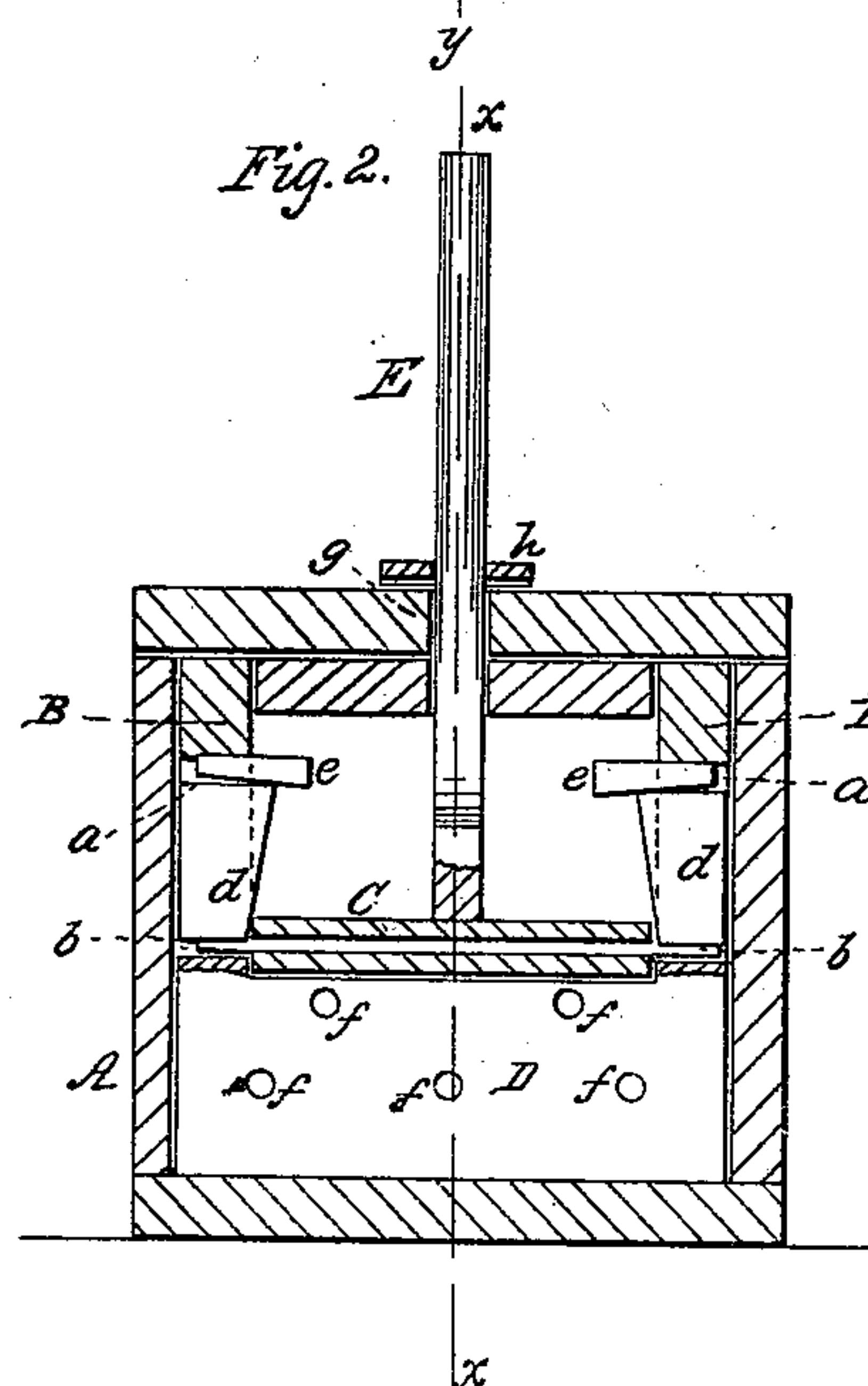
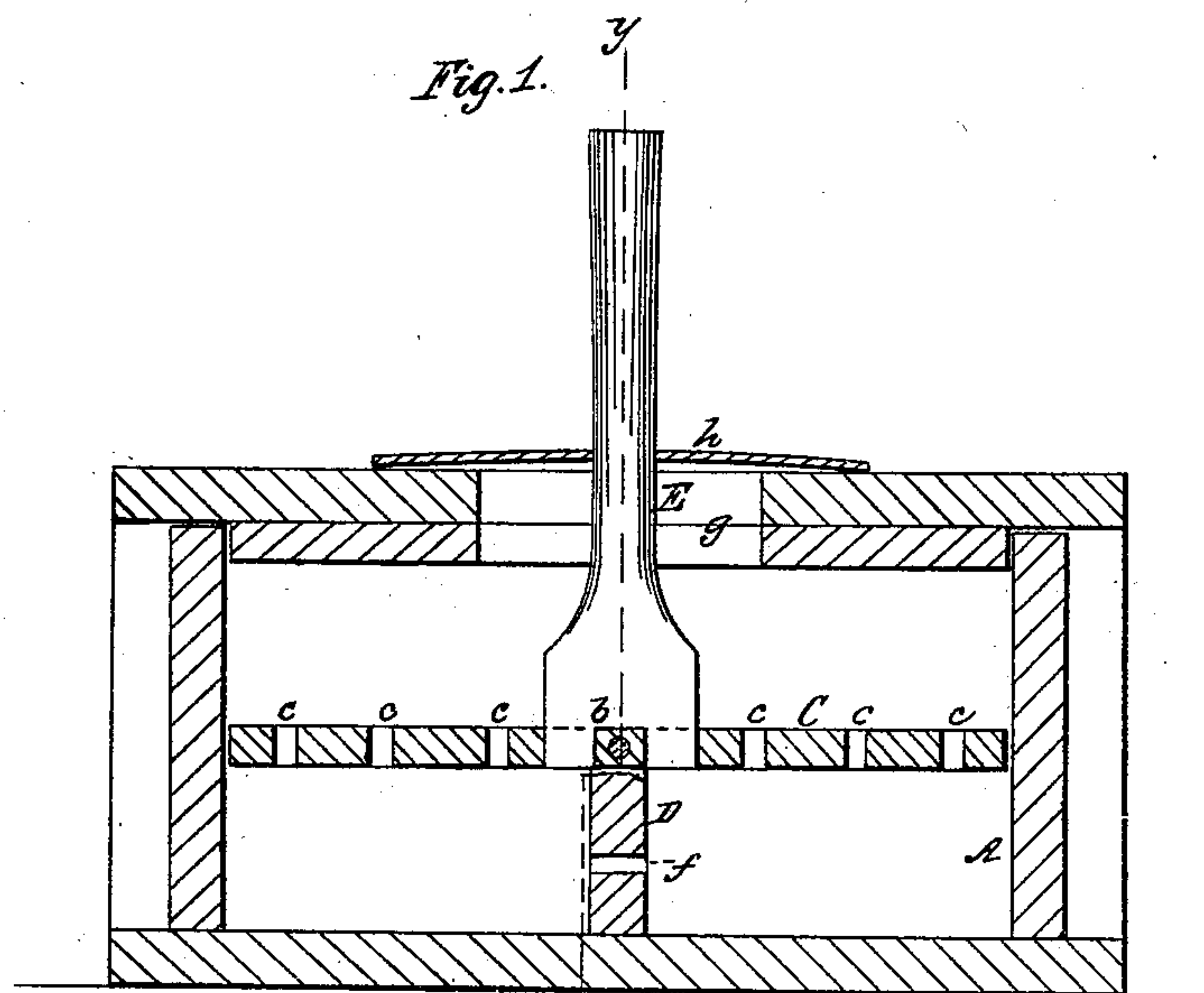


J. T. PALMER.

Churn.

No. 44,216.

Patented Sept. 13, 1864.



Witnesses:

Henry Allen
Geo. W. Reed

Inventor:

J. T. Palmer
per Munn & Co
attys

UNITED STATES PATENT OFFICE.

JACOB T. PALMER, OF GREENCASTLE, INDIANA.

CHURN.

Specification forming part of Letters Patent No. 41,216, dated September 13, 1864.

To all whom it may concern:

Be it known that I, JACOB T. PALMER, of Greencastle, in the county of Putnam and State of Indiana, have invented a new and Improved Churn; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

This invention consists in the employment or use of an oscillating dasher in connection with a central abutment placed within a cream-box, and all arranged as hereinafter set forth, whereby all the butter contained in the cream is produced expeditiously and with but a moderate expenditure of labor.

A represents a cream-box, which may be of rectangular form and is provided at the center of the inner surfaces of its two sides with upright cleats B B, each of which is provided with an oblong vertical slot, *a*, the lower ends of which form the bearings for the journals *b b* of the dasher C, the latter being of rectangular form and having perforations *c* made in it. The dasher C is nearly equal in length and width to the box A, and the journals *b* are at the centers of its sides, the former being secured in position by keys *d* and wedges *e*, as shown in Fig. 2.

Within the box A, and directly underneath the center of the dasher C, there is a vertical abutment which is perforated with holes *f*, and to the center of the dasher there is attached an upright bar or lever, E, which extends up through an oblong slot, *g*, in the top or lid of the box A, and has a cap or plate, *h*, fitted upon it, which covers the slot *g*. The slot *g* admits of the bar or lever E being oscillated to give a vibrating or oscillating movement to the dasher, while the cap or plate *h* serves to prevent the cream escaping out through the slot *g* when the dasher is in operation.

From the above description it will be seen that as the dasher is oscillated the cream will be forced up and down through the perforations of the dasher, as well as through the perforations of the abutment, and the butter produced in a short period of time and with but little labor.

The box, dasher, and abutment may all be constructed of wood, although metal may be used, if desired.

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

The perforated oscillating dasher C, operated by the lever E, in combination with the perforated abutment D, arranged within the cream-box A, substantially as and for the purpose herein set forth.

JACOB T. PALMER.

Witnesses:

CONRAD COOK,
R. S. WARD.