

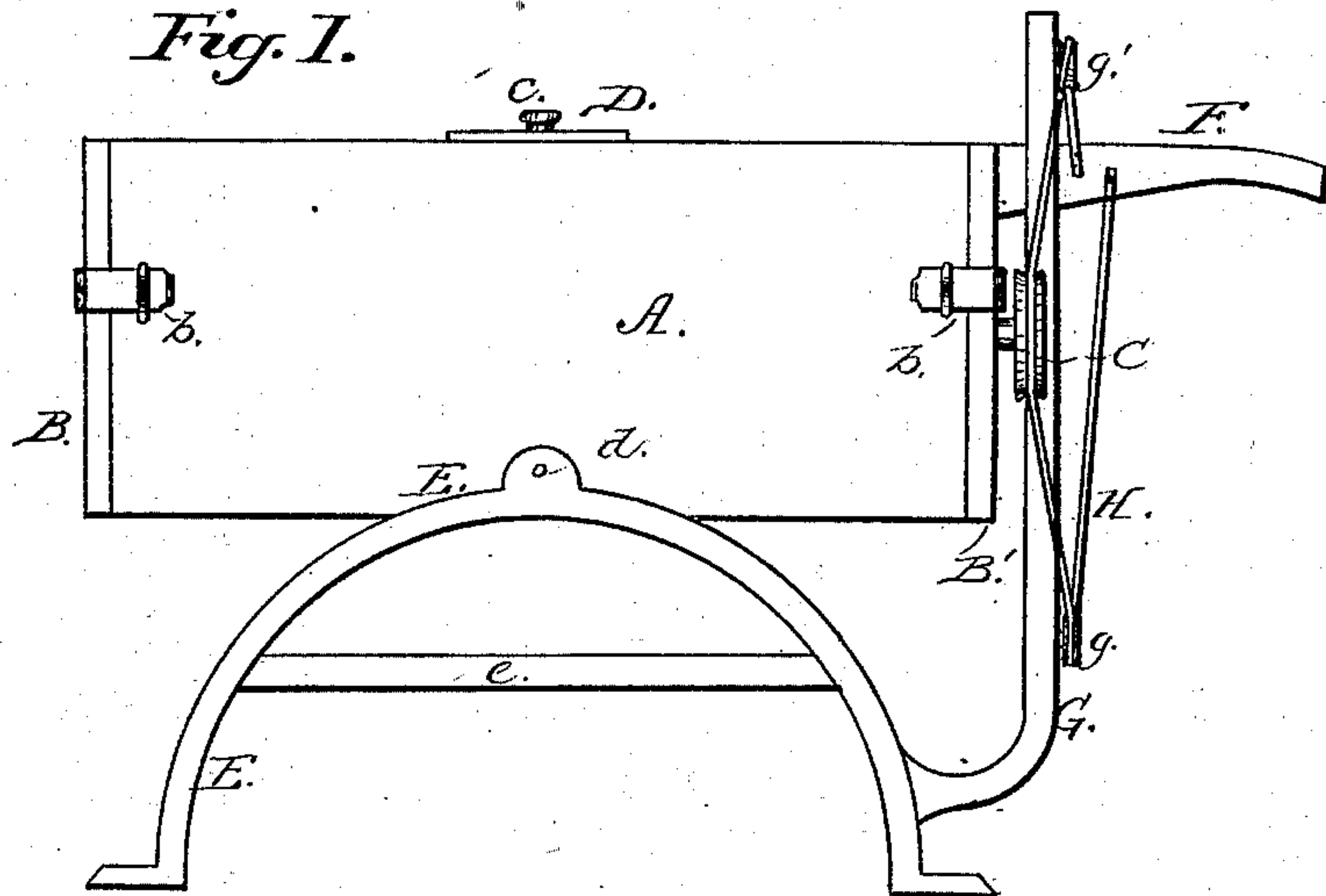
(No Model.)

W. C. BURROWS.  
CHURN.

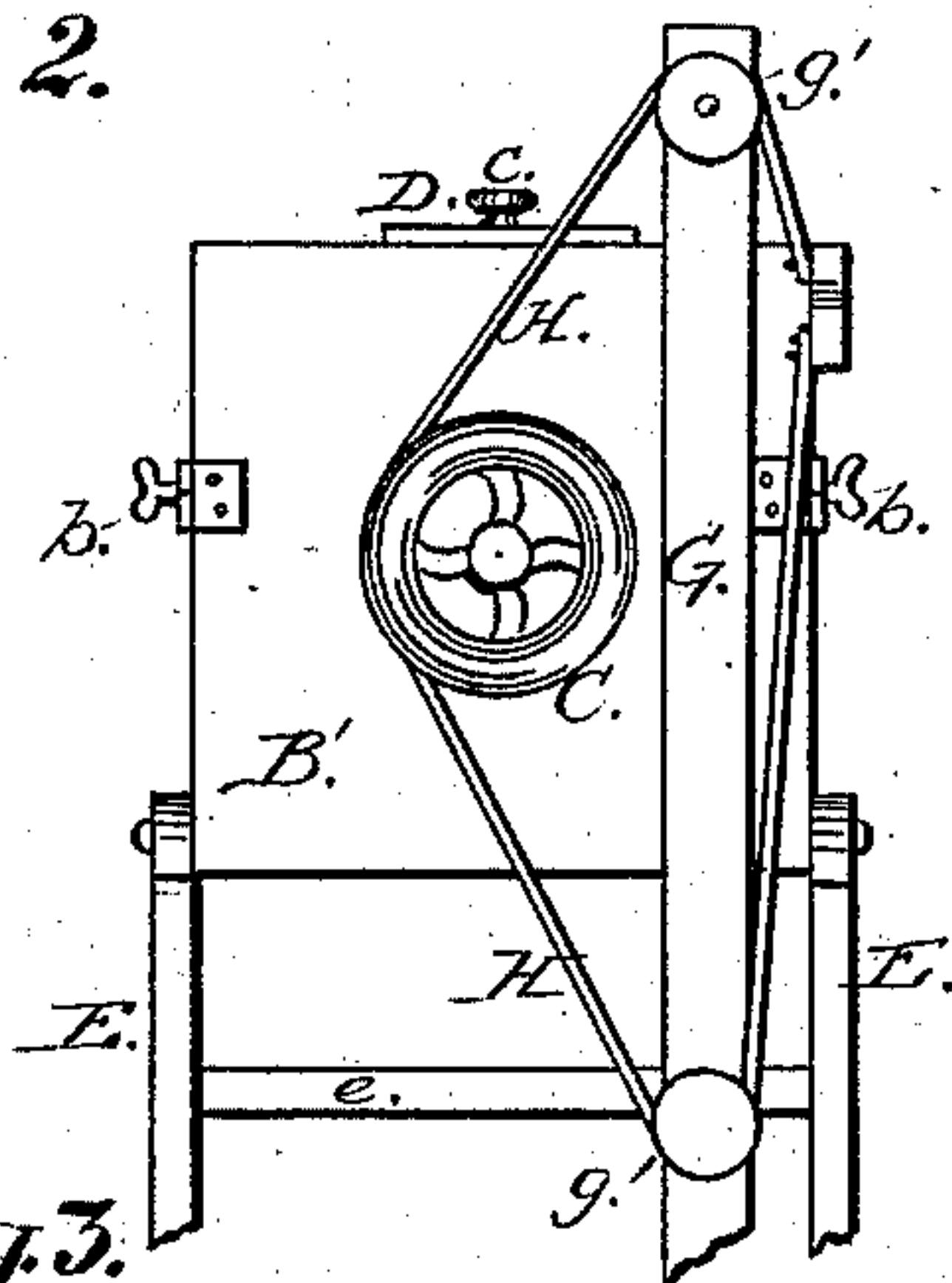
No. 255,770.

Patented Apr. 4, 1882.

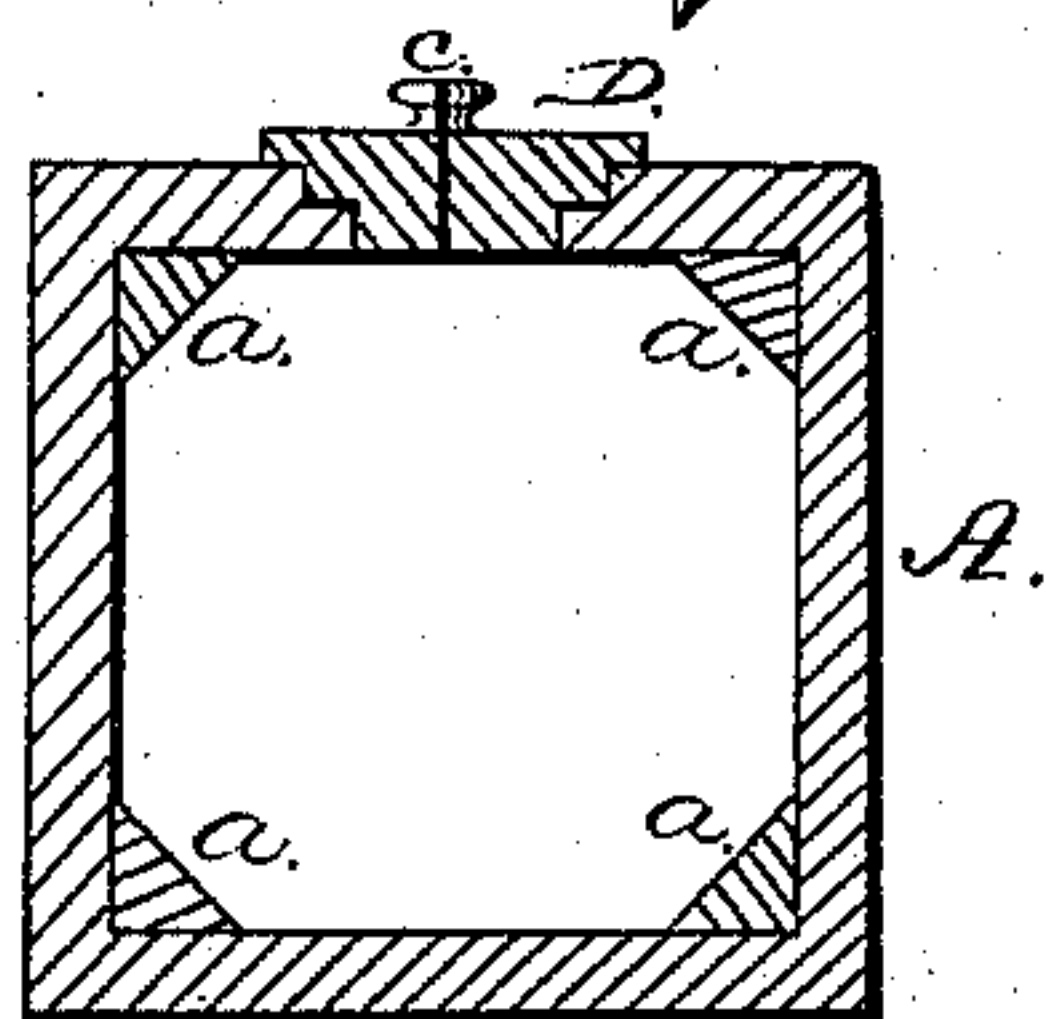
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

Parker & Sweet, Jr.,  
Lloyd Kelleher.

INVENTOR

William C. Burrows,  
By J. B. Lawyer,  
his ATTORNEY

# UNITED STATES PATENT OFFICE.

WILLIAM C. BURROWS, OF STOCKTON, NEW YORK.

## CHURN.

SPECIFICATION forming part of Letters Patent No. 255,770, dated April 4, 1882.

Application filed January 23, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. BURROWS, a citizen of the United States, residing at Stockton, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Churns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to that class of churns in which the body is pivoted upon a supporting-frame and adapted to be given a rocking motion by means of a handle or lever; and it consists essentially of a rectangular churn-body adapted to be pivoted to the apex of a semi-cylindrical frame, and provided at one end with a wheel, which carries the blades or dasher, said wheel being rotated by means of a belt passing around the same and over pulleys upon an upright, the ends of the said belt being secured to the handle or lever, which rocks the churn in such a manner that the operation of said handle or lever not only gives a rocking motion to the churn-body, but also gives a vibrating motion through the said belt and wheel to the blades or dash within the churn, all as will be hereinafter more fully described, and specifically designated in the claim.

In the drawings, Figure 1 represents a side elevation of my complete invention; Fig. 2, an end view thereof, and Fig. 3 a transverse section of the churn-body.

Similar letters of reference occurring on the several figures indicate like parts.

Referring to the drawings, A represents the body of the churn, which is rectangular in shape and provided upon the interior at each joint or angle with triangular strips *a*, which gives an octagonal shape to the interior of the churn-body, and renders it strong, durable, and water-tight. The ends of the churn-body are preferably formed of removable heads B B' for the purpose of thoroughly cleaning the interior of the same when necessary, said heads abutting against an elastic or other suitable packing to render the churn-body water-tight, and are held in position by means of the hinged thumb-screws *b*, as fully shown in the drawings.

A suitable revolving frame or dash is ar-

ranged horizontally within the churn-body A, the shaft of which, projecting through a suitable stuffing-box in the center of the head B', is securely attached to the wheel C upon the outside.

The top of the churn is provided with a cover, D, in which is arranged an air-vent, *c*, while upon the end nearest the wheel is arranged a projecting handle or lever, F, to operate the same.

The churn-body thus constructed is pivoted at *d* to the apex or summit of the semi-cylindrical frame E, which is provided with cross-pieces *e* to strengthen the frame and to regulate the distance of the swing or oscillating movement of the churn-body when in operation. Upon that end of the frame near the wheel C is provided a stationary upright, G, which is provided with pulleys *g g'*, one at the top and one at the bottom of said upright. H represents a belt arranged to pass around said wheel C and over the pulleys *g g'*, and is secured to the handle or lever F in such a manner that when said handle or lever is raised or depressed the belt moving over the pulleys *g g'* will impart motion to said wheel C and to its revolving frame or dash.

The construction of my invention being as described, it will be observed that in the operation of the same the oscillating or rocking motion of the body of the churn, combined with the reverse motion of the vibrating dash through the medium of the wheel C, operated by the belt H, produces a perfect and rapid agitation of the cream, bringing the butter quickly, and producing more from a given amount of cream than can be accomplished by other apparatus for a similar purpose.

Having thus described my invention, what I claim as new and useful is—

The rectangular body A, provided with the removable heads B B', cover D, handle or lever F, and wheel C, carrying the dash, in combination with the frame E, upright G, pulleys *g g'*, and belt H, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM C. BURROWS.

Witnesses:

D. G. PICKETT,  
L. W. LAZELL.