

(No Model.)

L. T. REID.  
Churn Dasher Staff.

No. 234,065.

Patented Nov. 2, 1880.

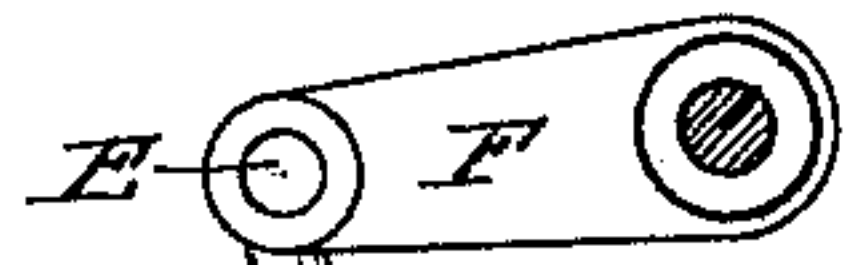


Fig. 1

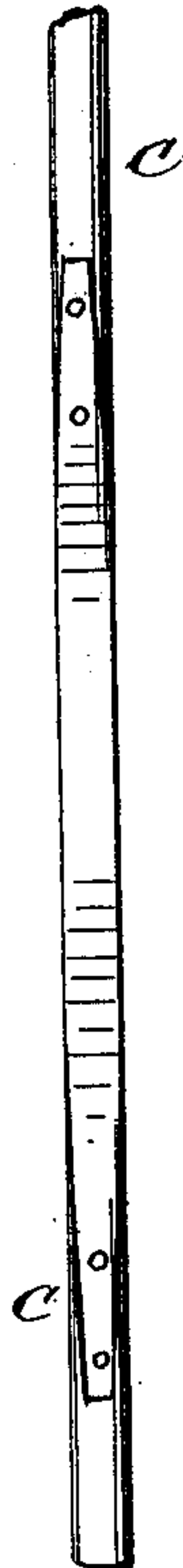


Fig. 3

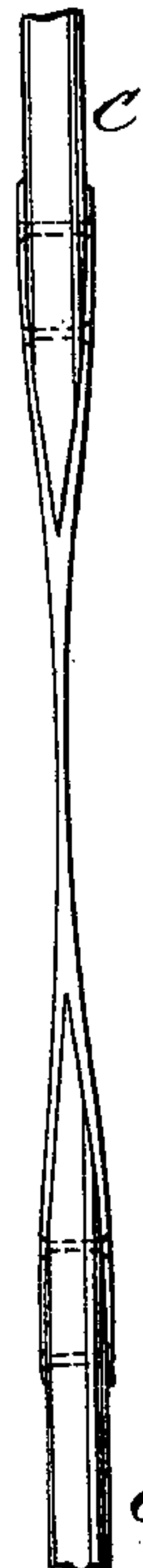
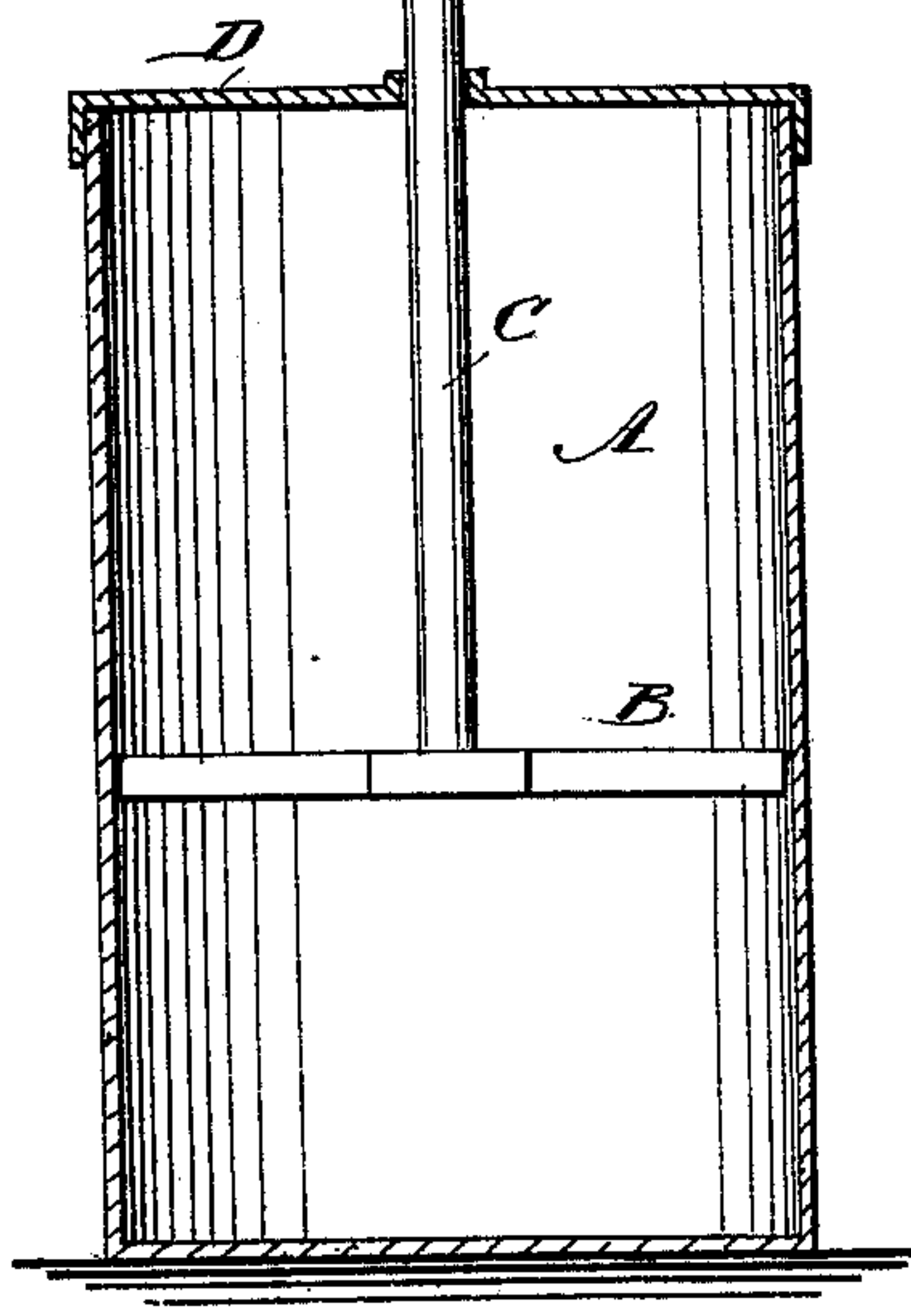


Fig. 2



WITNESSES:

C. Neveu  
C. Sedgwick

INVENTOR:

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# UNITED STATES PATENT OFFICE.

LLOYD T. REID, OF ROCKPORT, KENTUCKY.

## CHURN-DASHER STAFF.

SPECIFICATION forming part of Letters Patent No. 234,065, dated November 2, 1880.

Application filed July 13, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, LLOYD THOMAS REID, of Rockport, in the county of Ohio and State of Kentucky, have invented a new and Improved Churn-Dasher Staff, of which the following is a specification.

The object of my invention is to provide a new and improved churn-dasher staff which is simple in construction, durable, and convenient in use.

The invention consists in a dasher-staff which is flattened so as to be elastic or flexible at or near the middle of its length or is provided with an elastic piece at that point.

In the accompanying drawings, Figure 1 is a cross-sectional elevation of a churn provided with my improved dasher-staff. Fig. 2 is a front elevation, and Fig. 3 a side elevation, of a modification of the construction of the staff.

Similar letters of reference indicate corresponding parts.

The churn A is provided with any suitable dasher, B, which has a staff, C, passing through a central aperture in the lid D of the churn, and having its upper end, E, attached to the crank F.

The staff C of the dasher is constructed with a thin and flat elastic or flexible part at or near the middle, so that the staff can be bent and will not produce undue friction on the sides of the aperture in the lid in case the stroke is not exactly vertical, for as the staff is elastic its upper end can follow the movements of the crank very readily.

The staff may be made of wood, and may be shaved down at the middle until it is so thin as to be elastic or springy; or the upper and lower parts of the staff may be made of wood united by a metal or other suitable spring, G.

The stroke of this improved staff is much more elastic than that of the ordinary staff, and it collects the butter much better.

I am aware that flexible or elastic pitmen are not broadly new; but I am not aware that a churn-dasher staff has been made flexible or elastic near the middle of its length to permit its upper end to follow the arc described by the crank without undue friction on the sides of the aperture of the lid of the churn.

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

1. In combination with the churn-dasher B, the staff C, having a flexible or elastic middle portion, substantially as herein shown and described.

2. The combination, with the churn A, the lid D, and the crank F, of the elastic or flexible dasher-staff C, provided with the dasher B, substantially as and for the purpose set forth.

LLOYD THOMAS REID.

Witnesses:

W. A. BENTLEY,  
C. HENDRIC.