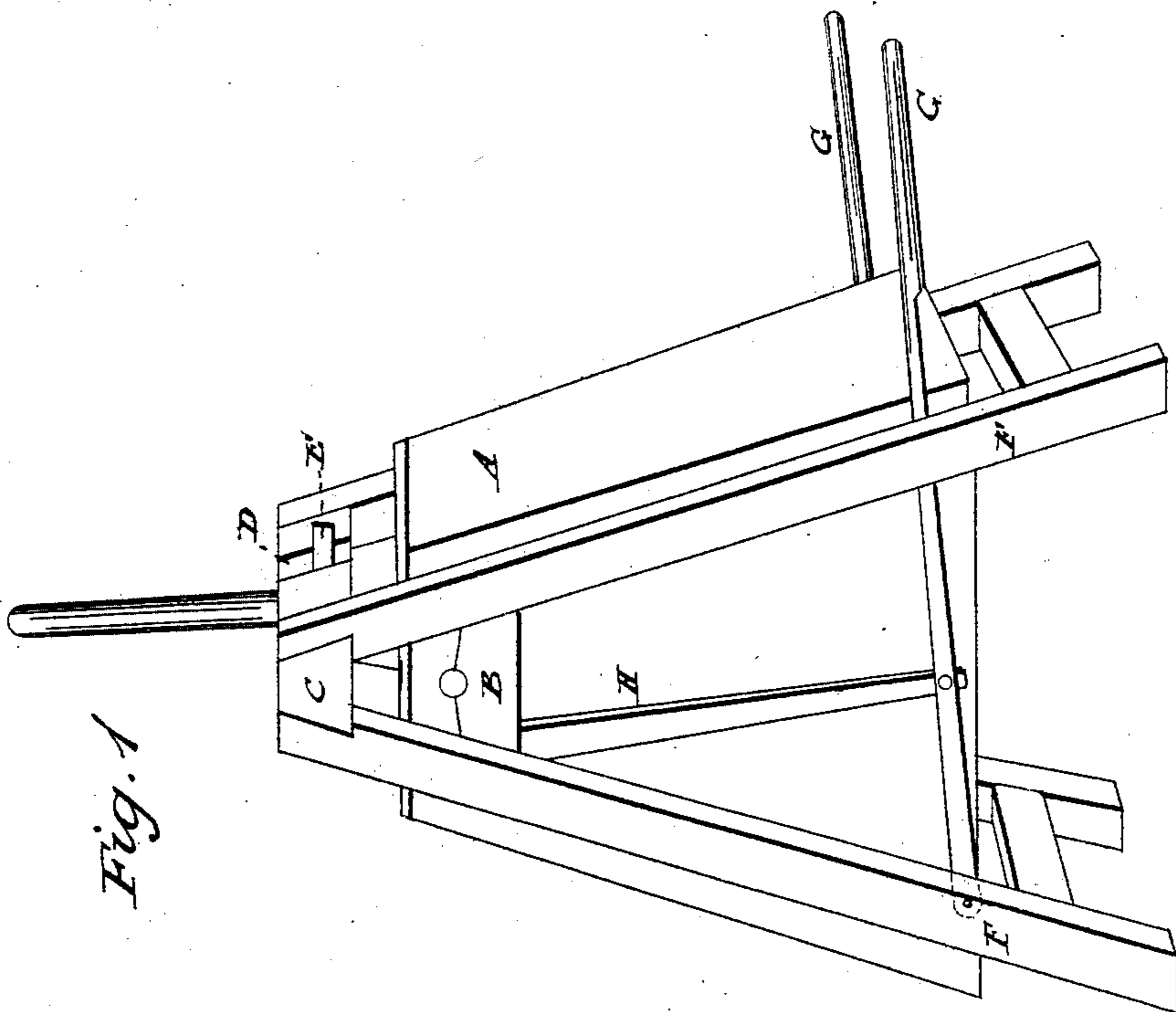
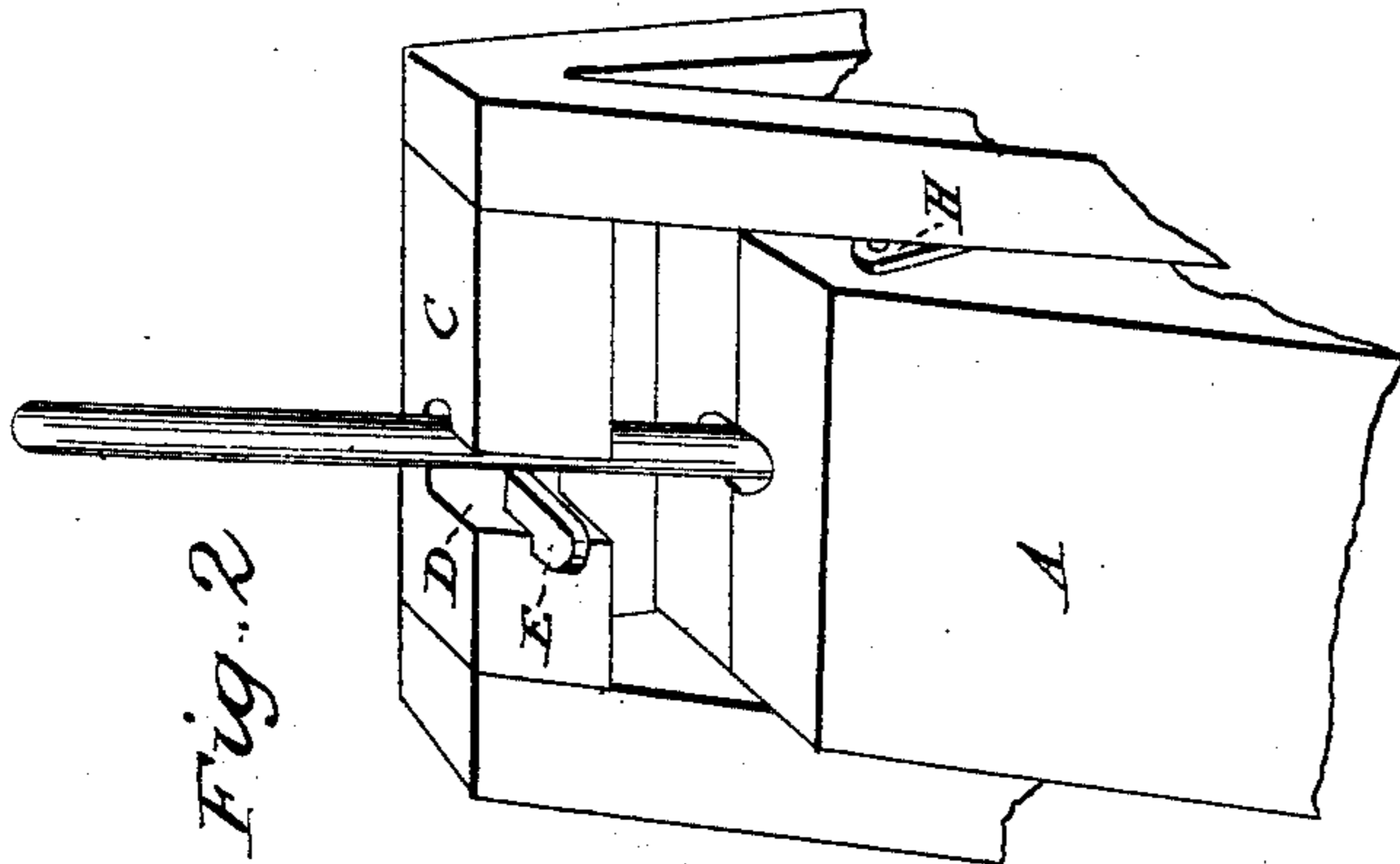


A. A. ROSE.

Churn.

No. 62,502.

Patented Feb, 26, 1867.



Witnesses:
James Flynn.
J. C. Robce.

Inventor:
A. A. Rose

United States Patent Office.

ALBERT A. ROSE, OF BINGHAMTON, NEW YORK.

Letters Patent No. 62,502, dated February 26, 1867.

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, ALBERT A. ROSE, of Binghamton, in the county of Broome, in the State of New York, have invented a new and useful Improvement on 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, making a part of this specification, in which—

Figure 1 is a perspective view:

Figure 2 is a view showing the top and head block of the frame.

Similar letters of reference indicate corresponding parts in each figure.

The object of this invention is to provide a more convenient and expeditious mode of operating the pendulum or vibrating churn. The nature of my improvement consists in applying treadles to the frame of the churn in such a manner that the box will be caused to oscillate more effectively and with less inconvenience than by the ordinary mode of operating it by hand; also in providing a more expeditious mode of inserting and removing the dasher from the churn.

The churn-box A is suspended upon arms or pins projecting from the top of its parallel sides, bearing on the cross-pins B B of the frame. In the head-block C, I make a slot, D, connecting with the hole for the handle of the dasher, of sufficient size to admit and remove said dasher without moving the churn. This dasher is secured in its position by the wedge E. I attach two treadles G G to the lower part of the frame F F, which connect near the top of the box by means of connecting-rods H H; the pins in the churn that these ends work on are placed the proper distance from the line of the axis of oscillation of said churn, to give it the required motion.

I operate my improvement by alternately pressing down the treadles, thus causing the churn to vibrate with more energy and power than by the ordinary means. When it is necessary to remove the dasher from the pendulum or vibrating churn, the churn has to be detached from the frame, and the dasher-handle drawn down through the head-block C. The advantage of the slot D and wedge E is that the dasher can be readily removed at any time without the inconvenience of detaching and removing the churn. The advantage of the treadles is that the required motion can more easily be given to the churn by means of the feet, thus facilitating the rupture of the globules and separation of the butter from the milk.

What I desire to secure by Letters Patent, is—

The manner of operating the pendulum or vibrating churn with the feet by means of the treadles G G, and the mode of inserting, securing, and removing the dasher from the churn, substantially as described, and for the purpose set forth.

A. A. ROSE.

Witnesses:

JAMES FLYNN,
J. C. ROBIE.