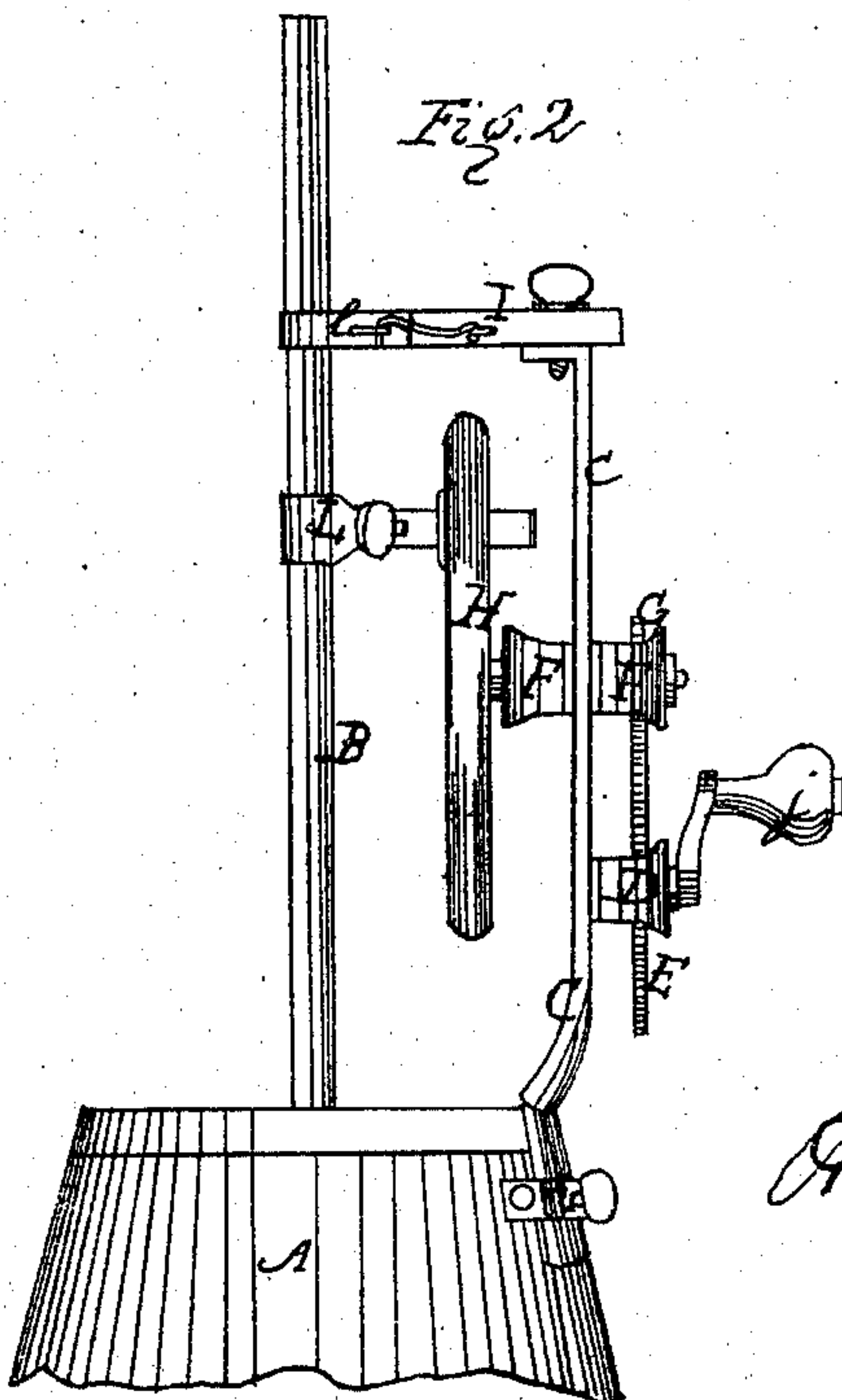
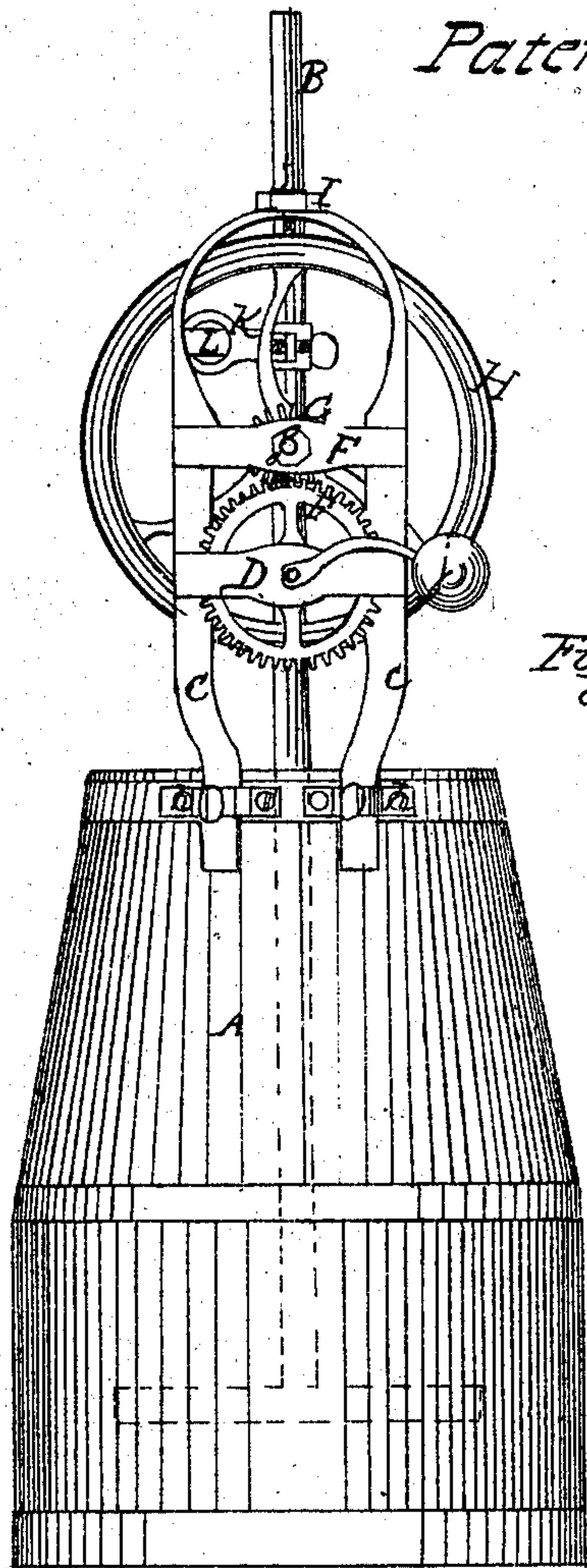


W. Lamb.  
Churn.

Nº 75,772.

Patented Mar. 24. 1868.



Witnesses

A. M. Leeman  
V. D. Stockbridge

Inventor

W. Lamb  
per  
Alexander Mason  
Atty



# United States Patent Office.

WILLIAM LAMB, OF ROCHELLE, ILLINOIS.

*Letters Patent No. 75,772, dated March 24, 1868.*

## 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 LAMB, of Rochelle, in the county of Ogle, and in the State of Illinois, have invented certain new and useful Improvements in Churns; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification, A represents an ordinary dash-churn, and B the handle of the dasher thereof, both made of any desired dimensions to correspond with each other. On the side, and near the top of the churn A, are secured by screws, or other convenient device, suitable loops, *h h*, each provided with a set-screw. The loops *h h* are for affording a convenient fastening or attachment for the adjustable frame-pieces C C. These frame-pieces C C are made of any suitable material, ordinarily of metal, and either bent or curved at the top, so as to form one piece, or framed together by a suitable cross-bar, as may be most convenient. Across, at any required distance above the churn A, are horizontal parallel bars, D, on or in which is adjusted a suitable shaft, upon which are secured the drive-wheel E and crank *j*. Above the cross-bars D is another cross-bar, F, attached to the uprights C C, which I make curved or bent from each other, and form suitable bearings for a shaft, *g*. The shaft *g* has secured to one end of it a fly-wheel, H, of suitable dimensions; and at or near its other end, a small pinion, which meshes with the drive-wheel E. I represents a horizontal bar, provided with an adjustable loop, *l*, which makes a round hole at the end thereof, for and in which the dash-handle B works. The loop *l* is made adjustable, so as to fit any size dash-handle. The bar I is also provided with a slot, through which works a set-screw, which fastens said bar to the top of the standards C C, for convenience in adjusting said bar to a churn of any size. L represents a metallic clasp-arm, which is also regulated by a set-screw, and may be adjusted upon any part of the dash-handle B, as may be required, and projects therefrom horizontally a suitable distance, and works in a clamp, K. K represents a metallic clamp, provided with a suitable hole at one end, and is adjusted upon one of the spokes of the fly-wheel H by means of a set-screw.

By adjusting the clasp-arm L in the eye of the clamp K, and applying power to the crank *j*, motion is communicated to the fly-wheel H, and thereby to the said clamp K, and thence, by means of said clasp or adjustable arm L, to the dash B, which is thereby given a rotary or winding motion, as well as vertical motion, and thus more complete agitation of the cream can be obtained than by any other known device. The clamp K, being adjustable, may be secured on the spoke at any desired distance from the centre of the fly-wheel H, and thereby the length of the vertical stroke of the dasher B may be conveniently regulated.

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

The adjustable clamp K, in combination with the wheel H and clasp L, the several parts being constructed and operating substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 27th day of January, 1868.

WILLIAM LAMB.

Witnesses:

M. M. GAYLORD,

H. O. ROGERS,