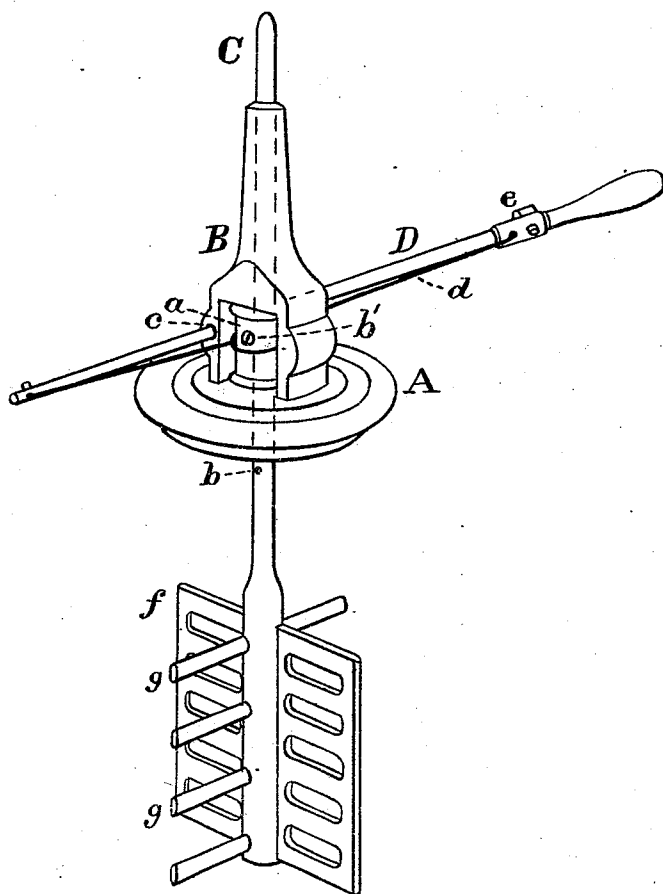


J. L. WILSON.

Churn.

No. 159,878.

Patented Feb. 16, 1875.



Witnesses :

P. G. Daniels,

Carroll Webster

Inventor :

James L. Wilson,
by G. H. M. J. Howard,
his attys.

UNITED STATES PATENT OFFICE.

JAMES L. WILSON, OF CALHOUN, GEORGIA.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **159,878**, dated February 16, 1875; application filed October 5, 1874.

To all whom it may concern:

Be it known that I, JAMES L. WILSON, of Calhoun, in the county of Gordon and State of Georgia, have invented certain Improvements in Churns, of which the following is a specification, reference being had to the accompanying drawing, forming a part hereof.

My invention relates to a dasher of peculiar shape at the lower end of a vertical spindle passing through the cover or lid of the churn-tub, and also through a standard which the operator holds while churning, said spindle being provided with an adjustable pulley placed within an enlarged portion of the standard, which spindle is revolved alternately in opposite directions by means of a thong and bow, used, in the hand of the operator, with the said pulley on the spindle. The bow is provided with a key or peg, by means of which the thong can be tightend or loosened, as the operator may find it required to be.

In the further description of my invention which follows due reference must be had to the accompanying drawing, in which is shown a perspective view of my invention.

A is the cover or lid of the churn, upon the top of which is the standard B. C is the spindle, at the lower end of which is the dasher, as hereinafter described. The spindle passes centrally through the cover A and standard B, the lower portion of the said standard being enlarged and cut out to receive the pulley *a*, adjusted upon the spindle. In the spindle are several holes, *b*, into which the screw *b'* enters, securing the pulley at different heights upon the spindle, thus adapting the dasher to the depth to which it is required to reach into the churn-tub. The spindle C projects from the upper end of the standard B, which forms the handle which is held by the operator during the process of churning. D is the bow, passing through the hole *c* in the side of the standard. To the outer end of the bow is attached one end of the thong *d*, which passes once around the pulley *a*, and is secured to

the handle end of the bow by means of the key or peg *e*, the thong passing through a hole in the bow and turning once or twice around the key. The dasher consists of a perforated plate, *f*, fitting within a slot in the end of the spindle, the apertures being preferably oblong, as shown in the drawing, and a series of rounds, *g*, passing through the spindle and plate, at equal distances apart, at a right angle with the said plate.

I have found by experiment that a dasher of this peculiar construction is very efficient, and produces excellent results.

The operation of a churn constructed in accordance with my invention is very simple. The operator holds with one hand the handle at the top of the standard B, and with the other draws and pushes the bow backward and forward, thereby imparting to the dasher a rapid and effective rotary movement alternately in opposite directions.

I claim as my invention and wish to secure by Letters Patent of the United States—

1. The lid A, surmounted by the standard B, forming the handle, as shown, and perforated for the reception of the pulley *a*, in combination with the dasher and spindle *f g C*, pulley *a*, vertically adjustable by means of the holes *b* and screw *b'*, bow D, passing through the standard, and thong *d*, all constructed and operating substantially as described.

2. The combination of the perforated plate *f*, rounds *g*, spindle C, having the adjusting-holes *b*, pulley *a*, and screw *b'*, all constructed and operating together substantially as specified, the dasher being thus adjustable to the desired depth in the tub, as set forth.

In testimony whereof I have hereto subscribed my name this 20th day of August, in the year of our Lord 1874.

JAMES L. WILSON.

Witnesses:

JOHN JONES,
R. M. TARVER,