

# J. Widmayer, Churn.

No. 92,411.

Patented July 6, 1869.

Fig. 3.

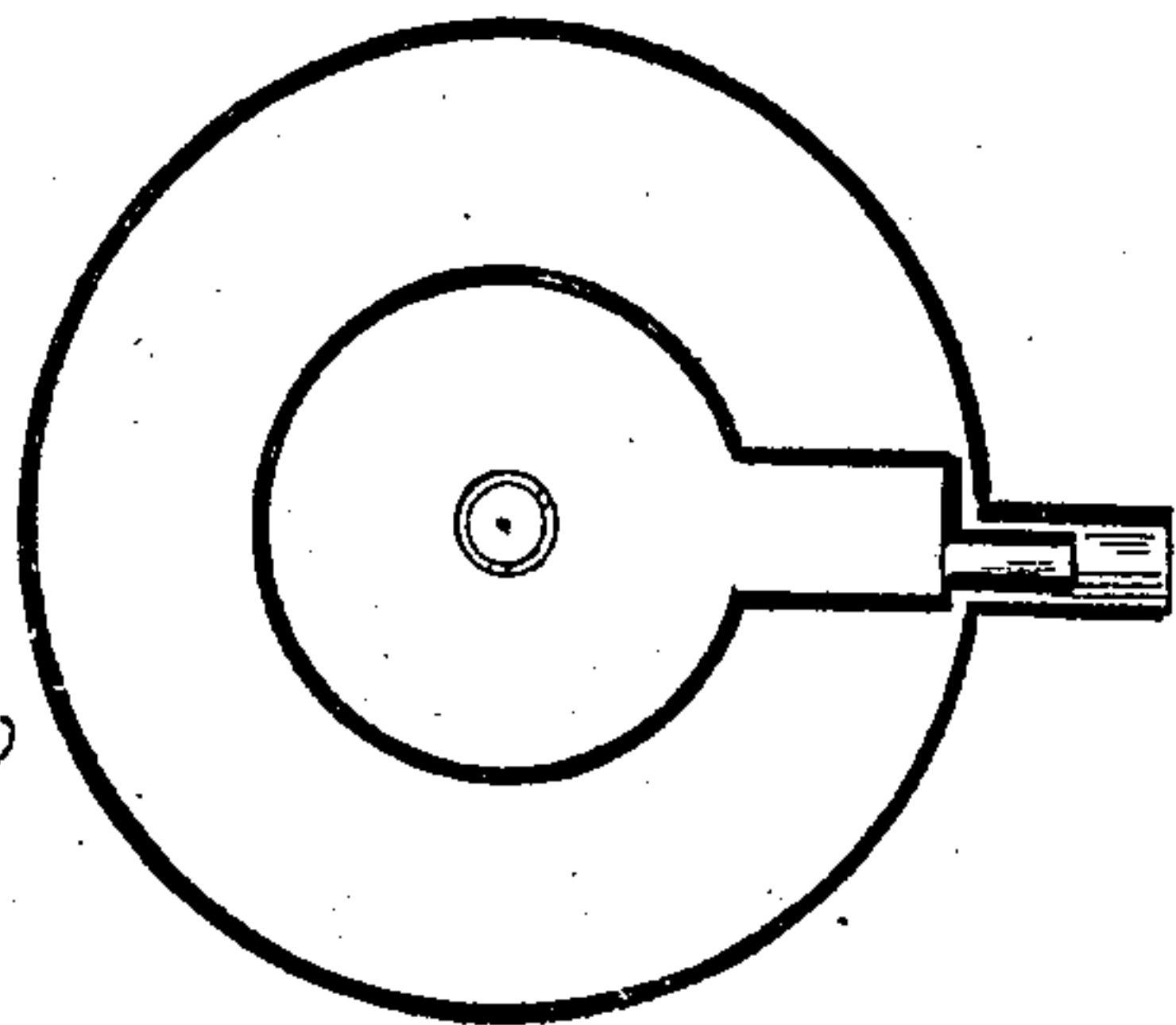


Fig. 2.

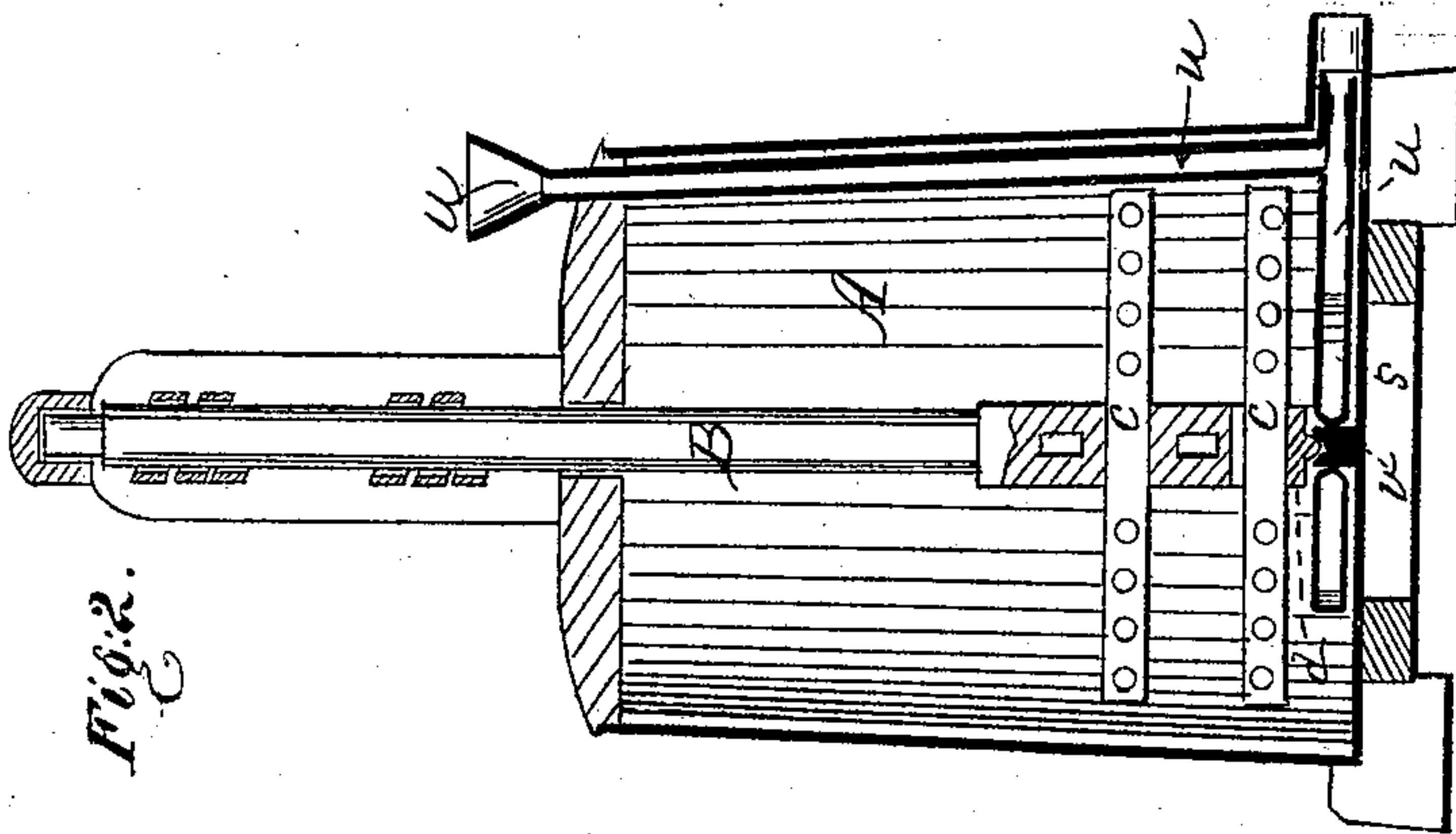
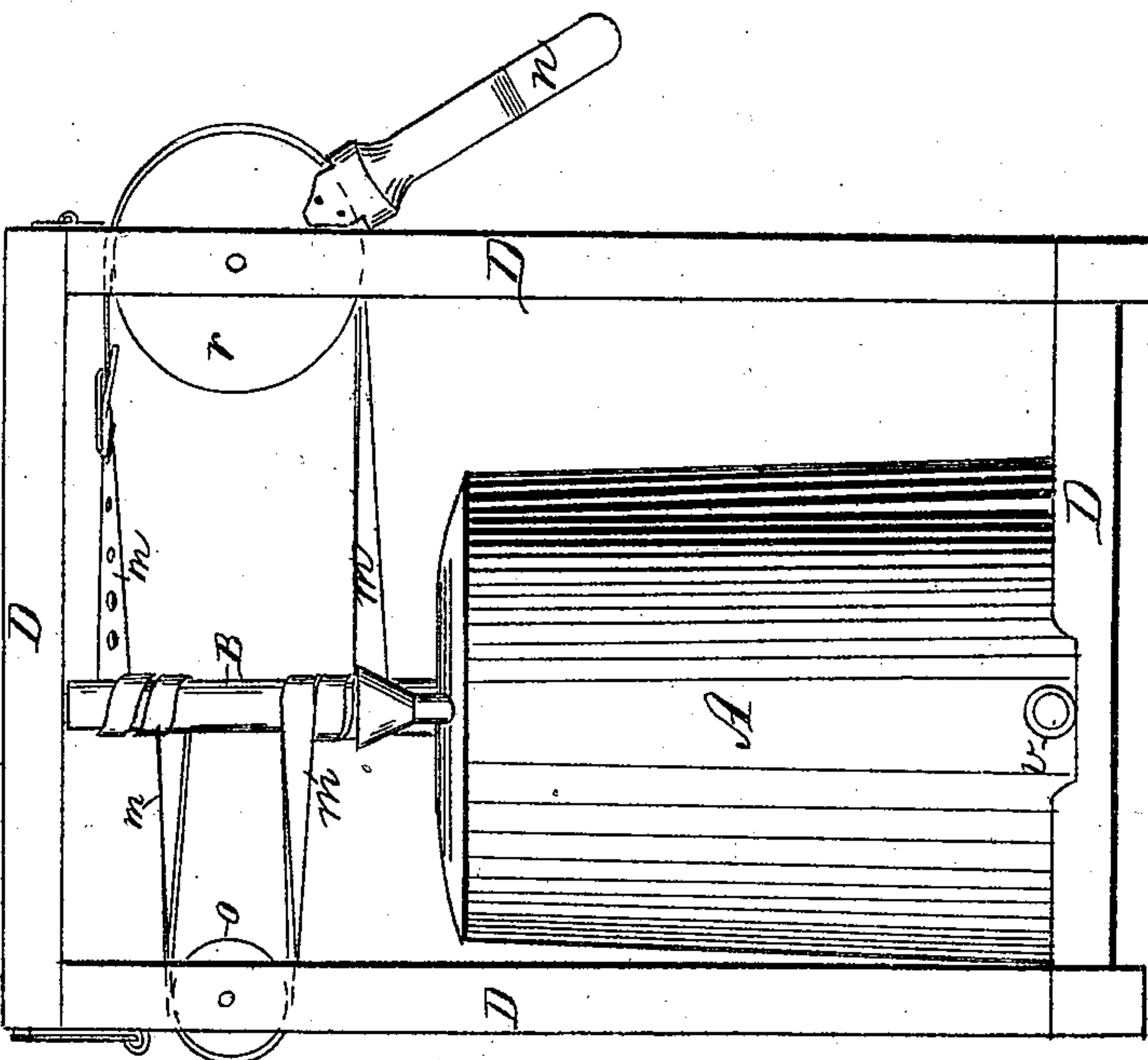


Fig. 1.



Inventor

J. Widmayer.

Witnesses

James P. Greves  
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# United States Patent Office.

DANIEL WIDMAYER, OF LANSING, MICHIGAN.

*Letters Patent No. 92,411, dated July 6, 1869.*

## 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, DANIEL WIDMAYER, of Lansing, in the county of Ingham, and State of Michigan, have invented a new and valuable Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a front plan view of my device.

Figure 2 is a longitudinal sectional view of the same.

Figure 3 is a detail.

My invention relates to churns; and

It consists, mainly, in the combination and arrangement, in a novel and efficient manner, of devices, by which the process of extracting butter from cream or milk may be greatly facilitated.

The letter A, of the drawings, represents the tub of the churn; and

Letter B is an upright standard, adjusted therein, and extending upward above the same, as shown.

The letters *c* are the dashers, perforated, and adjusted upon the standard B, at right angles therewith.

This standard B is arranged to rotate upon its pivot and socket at the point *d*.

I make an inner chamber upon the bottom of the tub, for the purpose of forming a receptacle for hot or cold water, which water is used for the purpose of regulating the temperature of the fluid in the tub. This chamber is marked *s* on the drawings.

The letter *u* is a tube, extending from the top of the tub, and into the chamber *s*, as shown. It is a conduit for the water, above mentioned.

The letter *v* is an outlet from the chamber *s*, which is opened or closed at will.

I sometimes place a thermometer in the side of my churn, to indicate the temperature of the fluid.

The means by which I work the churn-dasher are shown on fig. 1.

The letter D represents a frame, upon the bottom bar of which the tub rests, as shown.

The upper cross-bar of this frame is hinged at one end and hooked at the other, the object being to provide means for adjusting or removing the standard B at will.

It will be observed that the lower end of standard B rests on a pivot at the bottom of the tub, while its upper end is pivoted to the upper cross-bar of the frame.

The letter *o* is a small wheel, set in a slot in a post of the side frame; and

Letter *r* is a large wheel, set in the post opposite the wheel *o*, as shown.

This wheel *r* has a handle, *n*, by which it is actuated.

The letter *m* is a belt, adjusted upon the wheels, and around the standard, in the manner represented.

To operate the churn-dasher, I move the handle *n* up or down.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the tub A, standard B, chamber *s*, frame D, wheels *o* and *r*, and belt *m*, all constructed and arranged to operate substantially as and for the purposes specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

DANIEL WIDMAYER.

Witnesses:

E. J. McKENDREE,

C. J. OLIN.