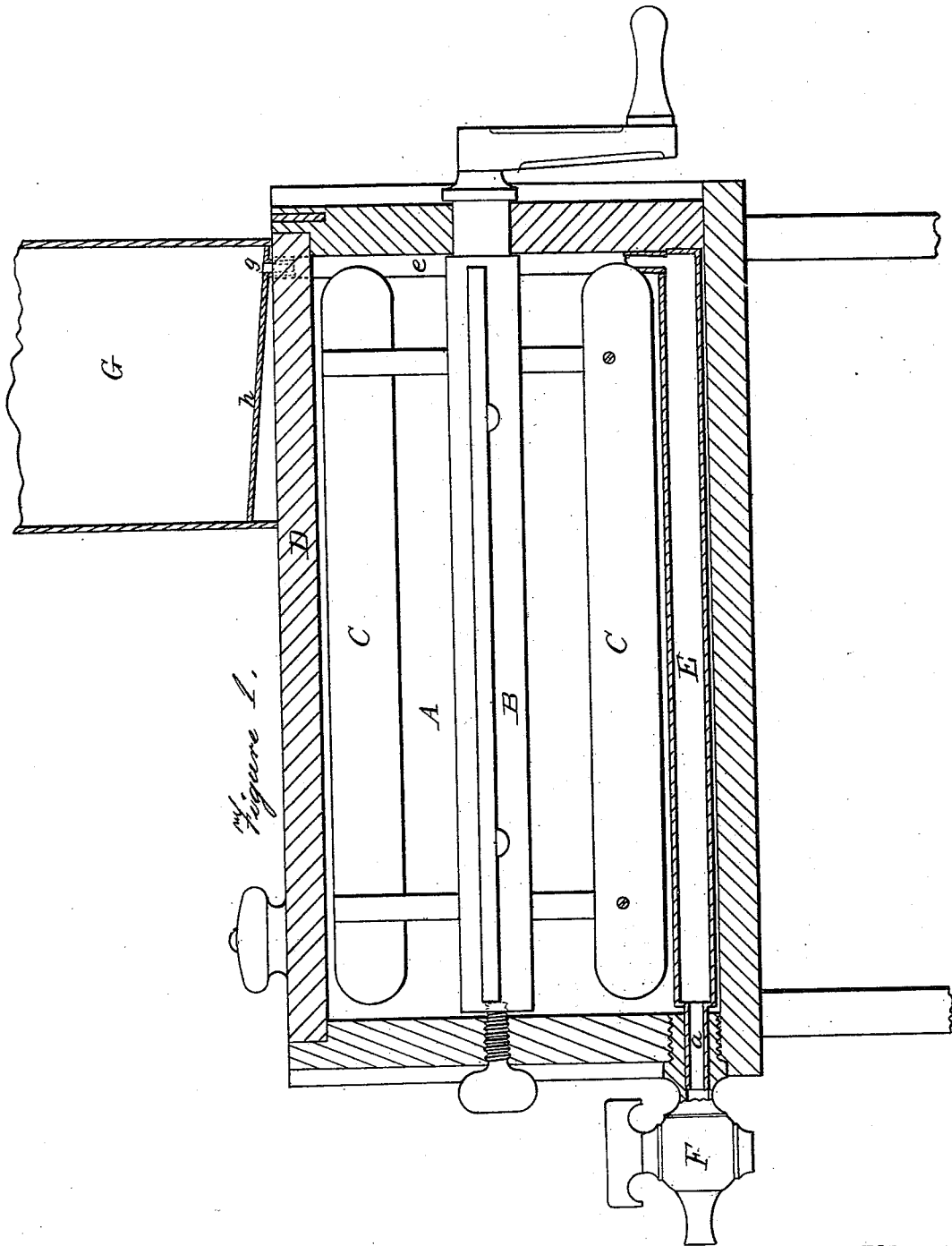


T. LANDT.  
Rotary-Churn.

No. 165,739.

Patented July 20, 1875.



WITNESSES

*Chas. W. Johnson*  
*E. H. Bates*

INVENTOR

*Tilson Landt*  
*Chipman & Son*

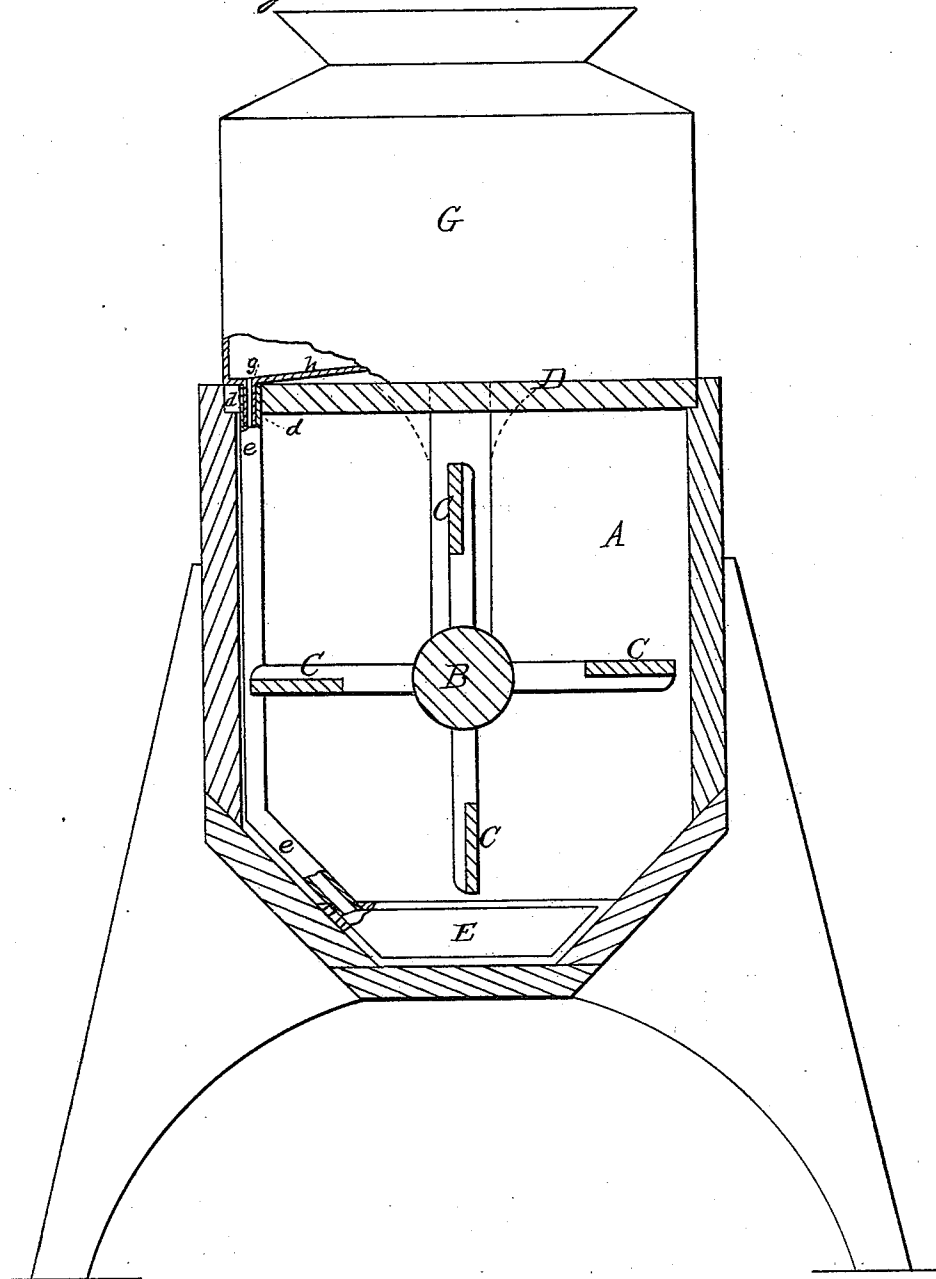
ATTORNEYS.

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*Figure 2.*



WITNESSES

*Eng. W. Johnson*  
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INVENTOR

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# UNITED STATES PATENT OFFICE.

TILSON LANDT, OF ILION, NEW YORK.

## IMPROVEMENT IN ROTARY CHURNS.

Specification forming part of Letters Patent No. **165,739**, dated July 20, 1875; application filed April 24, 1875.

*To all whom it may concern :*

Be it known that I, TILSON LANDT, of Ilion, in the county of Herkimer and State of New York, 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 representation of a longitudinal vertical section of my churn, and Fig. 2 is a transverse vertical sectional view of the same.

This invention has relation to churns; and it consists in the construction and novel arrangement of the detachable reservoir, the current-bottom and its connecting-tubes, and the discharging-faucet, in combination with a churn-case and dasher, as hereinafter fully shown and described.

The object of this invention is to provide a churn wherein the temperature of the cream can be regulated and controlled during the operation of the dash by simple and adequate means, which will not interfere either with the churning process, or with the prior or subsequent operations therewith connected.

In the accompanying drawings, the letter A designates a churn case, having its sides sloping somewhat toward the bottom. B indicates the dash, which may consist of a rotary shaft and several blades, C, connected therewith, as shown in the drawings, or may have other forms common in this class of machines. D indicates the churn-top, having its corner cut away at *d*, for the passage of the connecting-pipes of the current-bottom and reservoir. E represents the current-bottom, consisting of a water-tight metallic conduit, adapted to fit snugly into the bottom of the churn-case proper, under the dash, and entirely beyond its sweep. From one end of the current-bottom extends upward, through the top of the churn, the pipe *e*, which is snugly fitted into

a receiving-groove in the corner of the case, so that it is not likely to be deflected from its position, and is out of the way of the blades of the dasher. From the other end of the current-bottom extends horizontally, through the end of the churn-case, the short connection-pipe *a*, whereby the water is conducted to the discharging-faucet F, which is screwed into the wall of the churn-case, through the opening *b* in the end thereof, in such a manner as to connect with the pipe *a*. G indicates the water-reservoir. This is a can or vessel of suitable upright form, having a receiving-mouth, *c*, and a discharging-pipe, *g*, extending downward from one corner or side of its shelving bottom *h*, as shown in the drawings, in order that, when the can is securely seated on the top of the churn-cover, the pipe *g* may be introduced within the vertical connection-pipe *e* of the current-bottom. In using this churn, the reservoir is charged with warm or cool water of such temperature as may be required. The churn-cover having been put in place, the reservoir is seated on top thereof, with its pipe *g* in connection with the pipe *e* of the current-bottom, into which the water passes from the reservoir, and from which it may be discharged, either slowly or rapidly, by means of the regulating-faucet F, according to the condition of the cream, and while the same is in motion through the operation of the dash.

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

A rotary churn furnished with the detachable water-reservoir G, the current-bottom E, the connecting tube *e*, and the discharging-faucet F, all substantially as and for the purpose set forth.

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

TILSON LANDT.

Witnesses :

J. P. MCWENNY,  
JABEZ L. MILLER.