

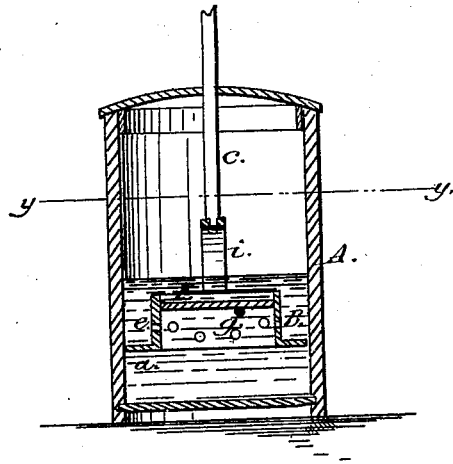
*F. Ogden,*

*Churn.*

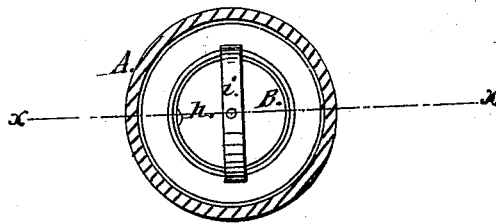
*No. 109654.*

*Patented Nov. 29. 1870.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*  
*Geo. A. Brooks*  
*Wm. F. Clark*

*Inventor:*  
*F. Ogden*  
*per Wm. F. Clark*  
*attys*

# United States Patent Office.

FLOYD OGDEN, OF FISHERVILLE, KENTUCKY.

Letters Patent No. 109,654, dated November 29, 1870.

## IMPROVEMENT IN CHURN-DASHERS.

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, FLOYD OGDEN, of Fisherville in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in 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 drawing forming a part of this specification.

My invention relates to churns; and consists in combining with a balanced valve, of unequal area on the opposite sides of its fulcrum, a churn-dasher, constructed substantially as hereinafter described.

Figure 1 is a vertical, and

Figure 2, a horizontal section of a churn exhibiting my improvement.

A is the churn-barrel;

B, the dasher;

C, the dasher-rod; and

F, the valve.

*e* is a perforated ring, having a flange, *d*, thereon, extending to the sides of the barrel A.

F is a valve, hinged to a transverse fulcrum or pivot, *g*, which is fastened to the sides of dasher.

*i* is a rigid curved bail, to connect dasher B and rod C.

*h* is a flange, to prevent the valve from being pressed upwardly beyond a horizontal plane.

The valve F is constructed of different areas and thicknesses on the two sides of its fulcrum, so as to balance thereon.

The principle or mode of operation is as follows:

In pressing the dasher down upon the cream, one side of the valve is caused, by the larger area on its side of the fulcrum, to receive the greatest amount of pressure, and to assume a horizontal position against the flange *h*. This compels the cream to move through the perforations in the side of the dasher.

On the contrary, as the dasher rises up, the same cause forces the valve F into a perpendicular position, and allows the cream above to descend through the ring *e*.

Having thus described all that is necessary to a full understanding of my invention,

What I esteem to be new, and desire to protect by Letters Patent, is—

The churn-dasher B, formed of perforated ring *e*, flanges *d h*, and bail *i*, combined as described, with the balanced metallic valve F, having unequal areas on opposite sides of the pivot *g*, for the purpose specified.

FLOYD OGDEN.

Witnesses:

T. B. ROSE,

H. POUND.