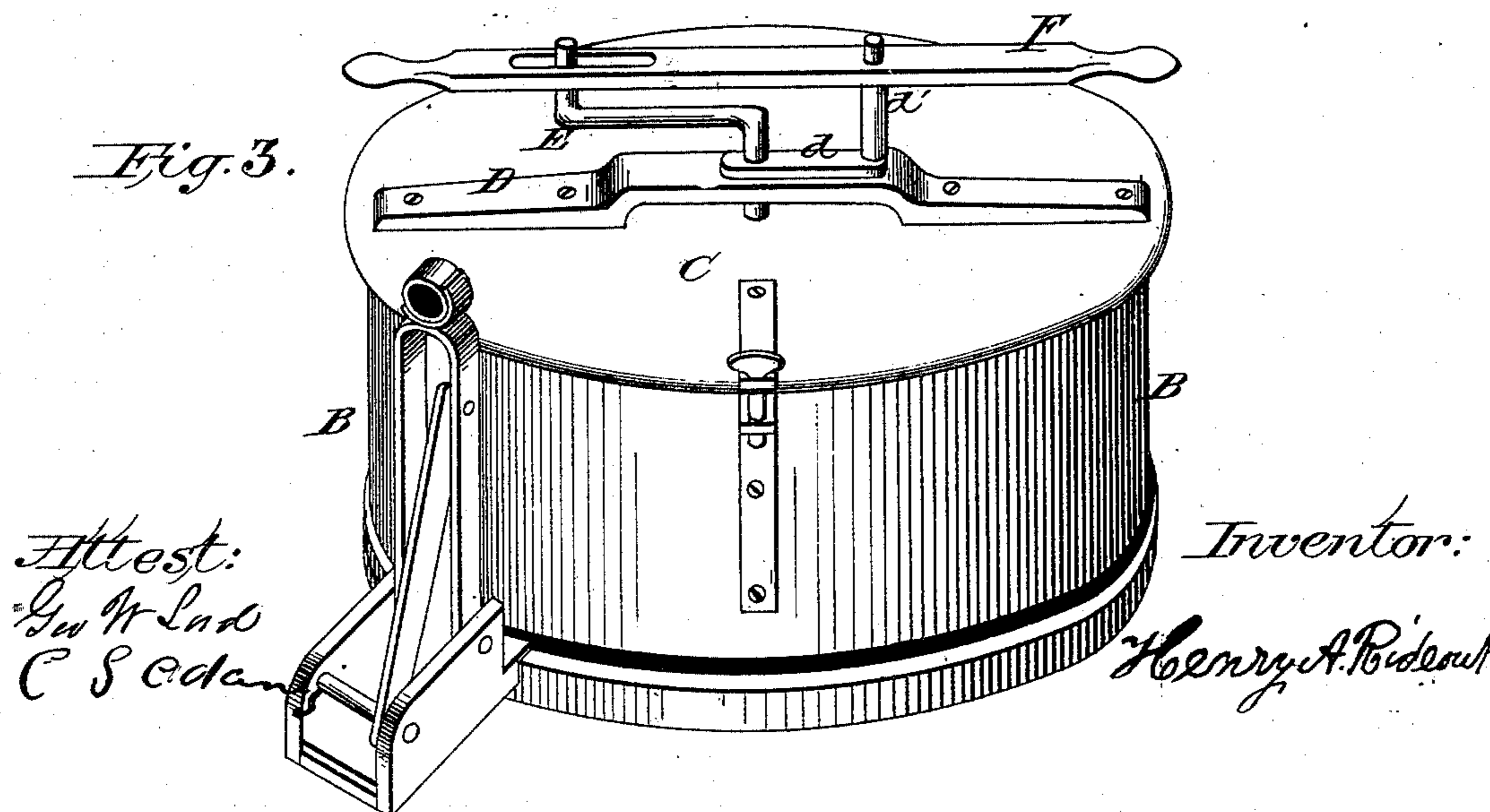
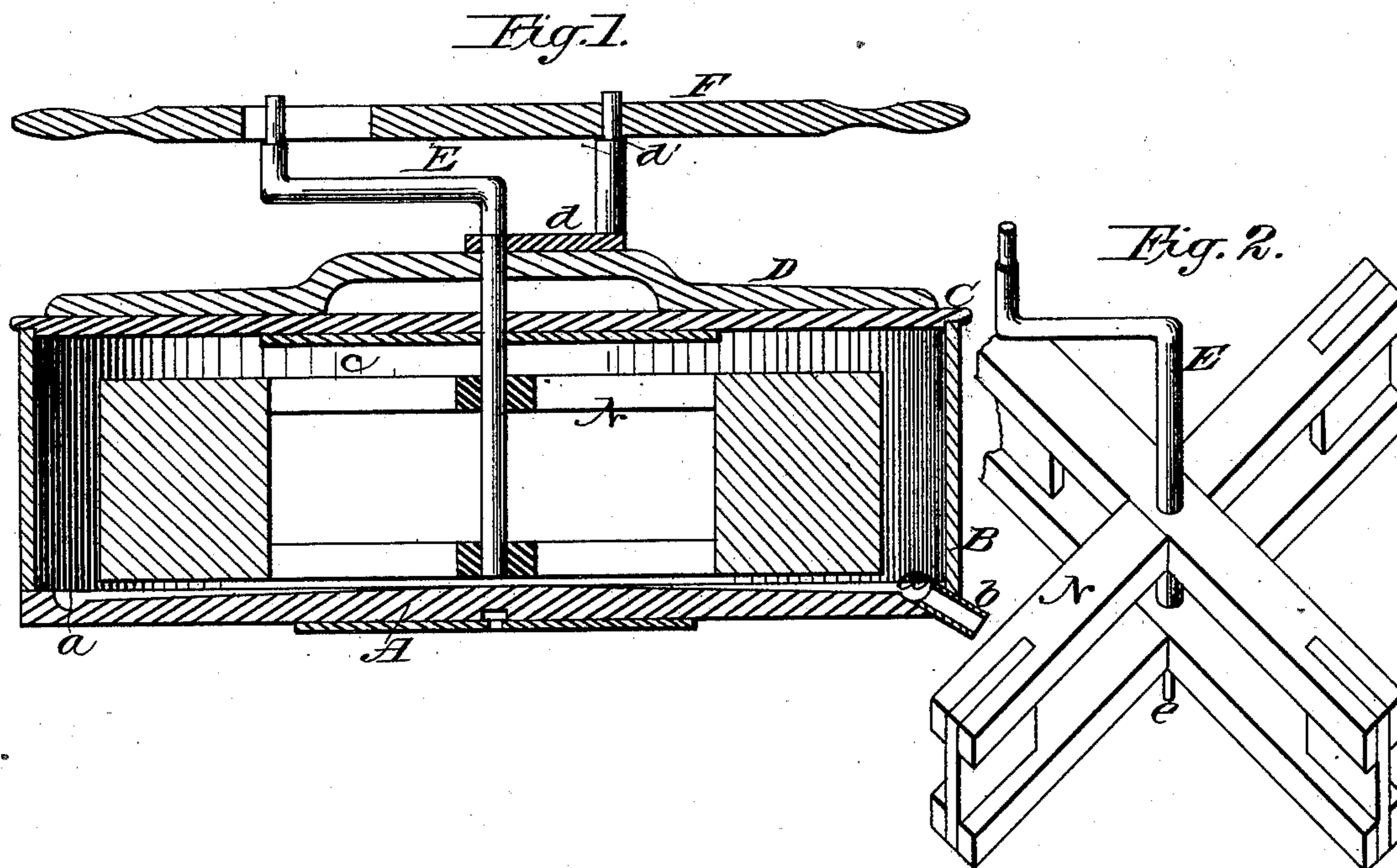


# H. A. RIDEOUT. Churn.

No. 223,452.

Patented Jan. 13, 1880.



# UNITED STATES PATENT OFFICE.

HENRY A. RIDEOUT, OF CALAIS, MAINE, ASSIGNOR OF TWO-THIRDS OF HIS RIGHT TO OLIVER B. RIDEOUT AND MARTHA P. RIDEOUT.

## CHURN.

SPECIFICATION forming part of Letters Patent No. 223,452, dated January 13, 1880.

Application filed September 18, 1879.

*To all whom it may concern :*

Be it known that I, HENRY A. RIDEOUT, of Calais, in the county of Washington and State of Maine, have invented certain new and useful Improvements in Churns, of which the following is a specification.

The object of my invention is to provide a cheap, simple, and efficient churning device, which may be converted into a butter-worker whenever desired; and it consists in the construction, combination, and arrangement of the several parts forming the apparatus, as hereinafter more fully described and set forth.

Figure 1 represents a vertical central section of my invention. Fig. 2 represents a perspective view of the crank and dasher removed. Fig. 3 is a perspective view of my invention in position for use as a churn.

A represents a circular bottom for the churn, being formed highest in the center on its upper surface, or slightly on an incline toward the outer edge, which is provided with a groove or annular sinkage, *a*, into which may be fitted a short pipe, *b*, extending downward through the said bottom, to permit buttermilk, water, and the like to be drawn off when desired, the pipe being stopped with a plug or other means.

B represents the vertical sides of the churn, the upper end or top of which is provided with a cover, C, having a flange, which rests upon the mouth or top of the sides B, and fits within the same by projecting downward, so as to retain it in position for use, it being strengthened by a cleat, *c*, secured to the under surface at its central portion, and through which the crank E passes. To the upper side of this cover C is secured a piece, D, which forms a handle, and also a support for the metal plate

*d*, which is provided at one end with a hole, into which is fitted the vertical portion of the crank E, carrying at its lower end the removable dasher-floats N, as shown in Fig. 2.

To the opposite end of plate *d* is provided a short vertical stud or pivot, *d'*, having a suitable shoulder, which forms a bearing for the operating hand-lever F, which is provided with a hole to fit thereon near its central portion, and nearer its shorter end is provided an oblong slot or opening, which fits upon the upper end of the crank E, which is also provided with a shoulder corresponding to that formed upon the vertical stud or pivot *d'*, and with a shoulder upon the float or dasher shaft, which rests upon the top of the plate *d*, the floats or dashers N being held or connected to the said crank-shaft E by a pin, *e*, or in any other suitable manner.

It will be seen that if the hand-lever F be moved back and forth horizontally the dashers or floats N may be oscillated or revolved partially—say about one-third of a revolution—so as to agitate or throw the cream placed in the churn back and forth in a manner to churn the same very easily.

Having thus described my invention, what I claim is—

In combination with the churn or vessel A B, having the cover C, the handle or support D, plate *d*, provided with the pivot or stud *d'*, and hand-lever F, provided with an oblong opening, and the crank E, provided with the floats or dashers N, substantially as described, as and for the purposes set forth.

HENRY A. RIDEOUT.

Witnesses:

GEO. W. LORD,  
THOMAS H. McDONALD.