

(No Model.)

H. T. HENDERSON.
CHURN.

No. 461,883.

Patented Oct. 27, 1891.

Fig. 1.

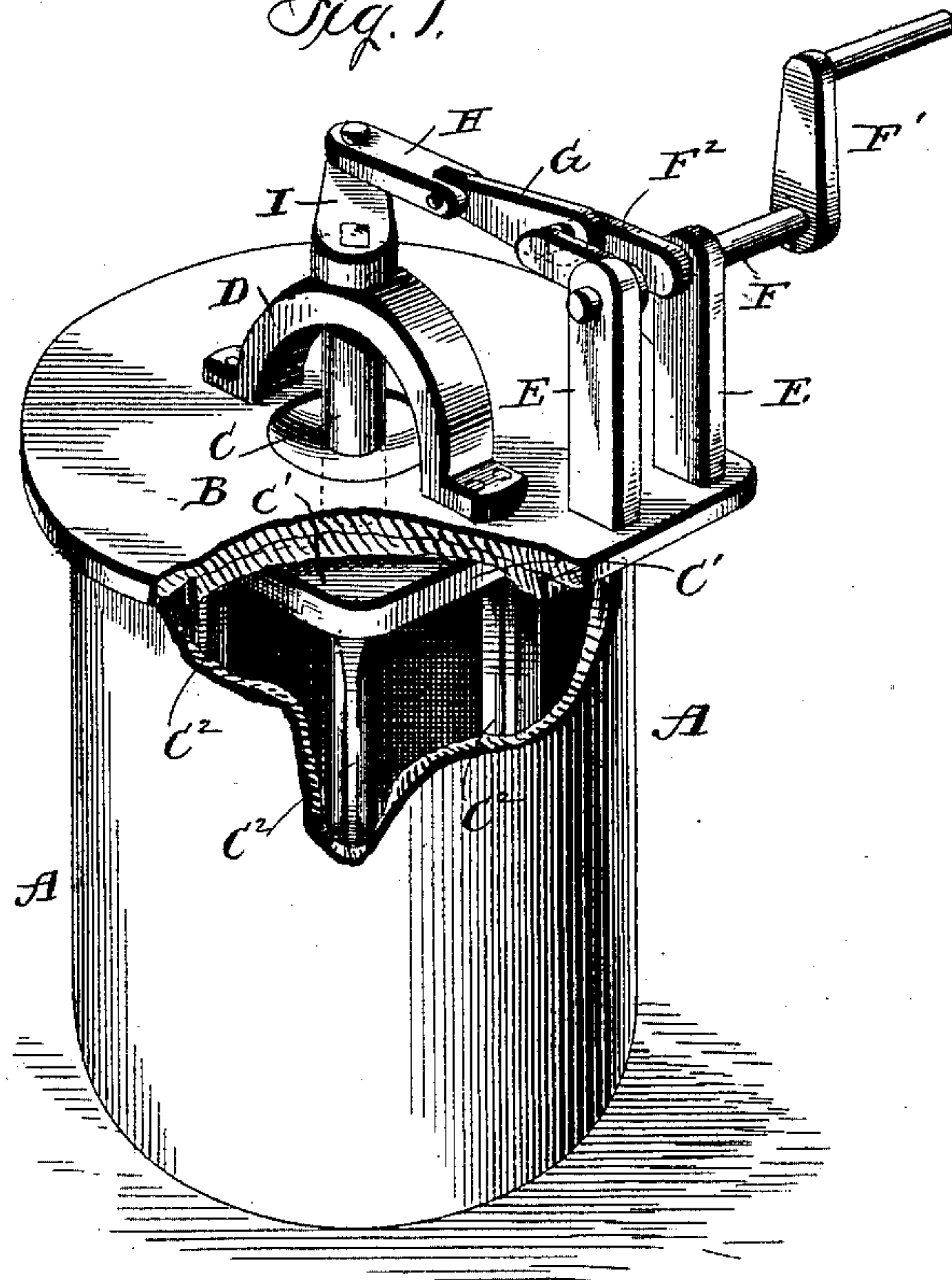
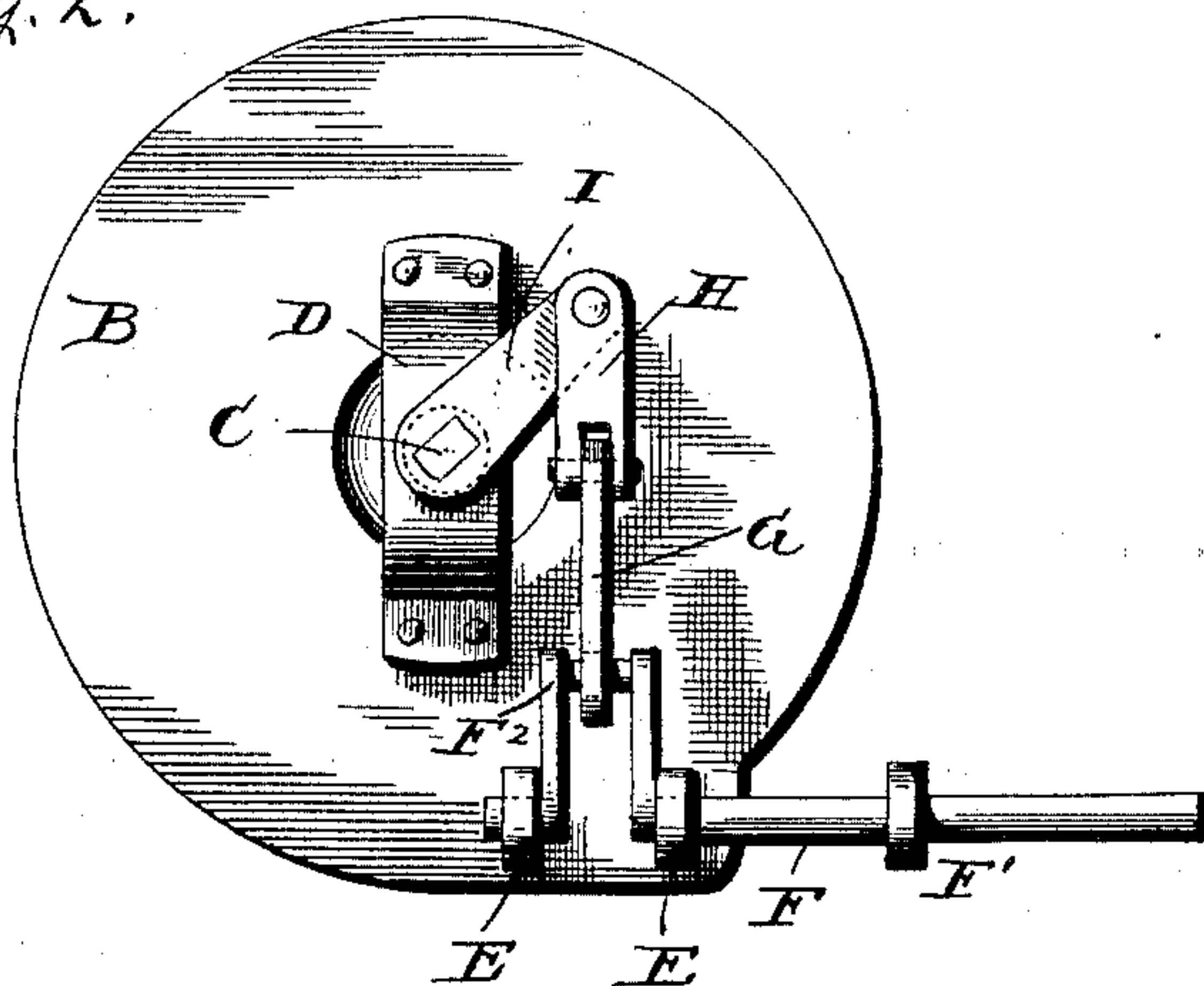


Fig. 2.



Witnesses
Chas. J. Williamson.
A. L. Hough

Inventor
Henry T. Henderson
by Franklin A. Hough
his attorney

UNITED STATES PATENT OFFICE.

HENRY THOMAS HENDERSON, OF SIPE SPRINGS, TEXAS.

CHURN.

SPECIFICATION forming part of Letters Patent No. 461,883, dated October 27, 1891.

Application filed February 14, 1891. Serial No. 381,460. (No model.)

To all whom it may concern:

Be it known that I, HENRY THOMAS HENDERSON, a citizen of the United States, residing at Sipe Springs, in the county of Comanche and State of Texas, have invented certain new and useful Improvements in Churns; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in churns; and it relates more particularly to that class of churns in which a vertical dasher is provided and means employed whereby in operation the dasher is given a reciprocating motion.

The invention has for its object to provide a new and improved churn of this description, which will be cheap of construction and serviceable in operation.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating like parts throughout the several views, and in which drawings—

Figure 1 is a perspective view of a churn embodying my improvements, parts being shown as broken away in order to better illustrate the construction. Fig. 2 is a top plan.

Reference now being had to the details of the drawings by letter, A designates the body of the churn, which is in all respects similar to churns of ordinary and well-known construction. The cover of the churn is provided with a platform B, through which is passed loosely the vertical shaft C, to the lower end of which is secured the block C', from which block depend the arms or blades C². The upper end of the vertical shaft C is

passed loosely through an opening formed for its passage in the arched support D, which rises from the upper face of the platform B. At one side of the platform are provided suitable standards E E, and journaled in the upper ends of these standards is the crank-shaft F, provided at one of its ends with an operating-crank F'. The pitman G has one of its ends sleeved upon the crank F² of the crank-shaft F, and the opposite end of said pitman is pivotally connected with the bar or link H. To the upper end of the shaft C is secured one end of the arm I, the opposite end of which arm is pivotally attached to the outer end of the link H.

The operation of the churn is simple and readily understood. By turning the crank F' motion will be imparted to the shaft C, and the same will be given a one-fourth revolution and returned. The pendent blades C² of the dasher will thus be given a reciprocating motion, which will have the effect of thoroughly mixing the cream, keeping the entire mass of cream within the churn in a constant agitation.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

The combination of the churn-body, its platform, and shaft, the said platform having a side extension, the arched support on the top of the platform and having a hole through which the shaft passes, the standards on the platform to one side of the center, the crank-shaft journaled in said standards, the horizontal arm I, secured at one end to the upper end of the shaft above the arched support, the horizontal links pivotally connected at one end with the arm I and at the other end bifurcated, the horizontal pitman G, having one end sleeved on the crank of the crank-shaft and at the other pivoted between the bifurcations of the link H, and a block on the dasher-shaft beneath the platform, all substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY THOMAS HENDERSON.

Witnesses:

WILLIAM LEWIS,
W. E. NOLEN.