

J. V. MacLuskey,

Churn.

No. 110,610.

Patented Dec. 27, 1870.

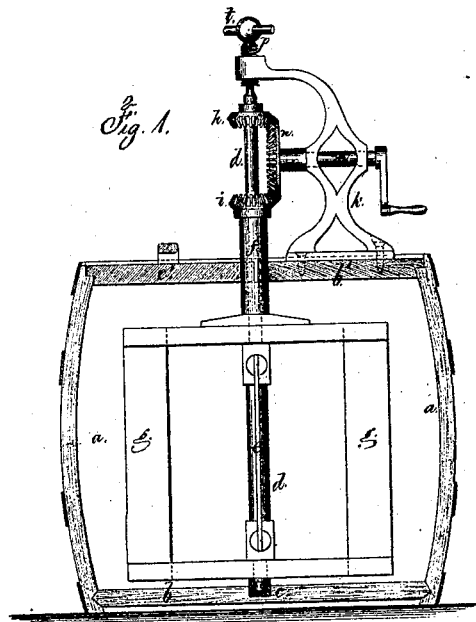
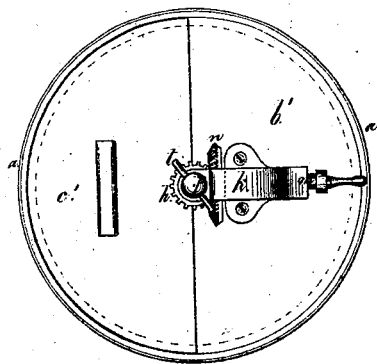


Fig. 2.



Witness

Chas. H. Smith
Geo. L. Weber

Jos. O. MacLuskey
for Lemuel W. Perrell atty.

UNITED STATES PATENT OFFICE.

JOSEPH O. MACLASKEY, OF PERTH AMBOY, NEW JERSEY, ASSIGNOR TO
HIMSELF AND JAMES E. TYRRELL, OF SAME PLACE.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **110,616**, dated December 27, 1870.

To all whom it may concern:

Be it known that I, JOSEPH O. MACLASKEY, of Perth Amboy, in the county of Middlesex and State of New Jersey, have invented a certain new and useful Improvement in Churns; and the following is hereby declared to be a full and correct description of the same.

My improvement relates to that class of churns in which dashers revolving in opposite directions are employed; and consists in means whereby said dashers and their shafts can be easily and quickly removed from the churn-barrel for cleansing said dashers and parts, or for repairs to the same, if necessary.

In the drawing, Figure 1 is a vertical section of a churn fitted with my said improvement, and Fig. 2 is a plan of the same.

a is the body of the churn; *b*, the bottom, and *b'* a stationary half-head to the same. *c* is the step or bearing in the bottom *b* for the shaft *d*, and said shaft *d* is fitted with the dashers *e e*. Around said shaft *d* is the sleeve or tube *f*, and to this tube *f* the dashers *g g* are to be attached in any suitable manner, so that said dashers will revolve outside of the dashers *e e*.

The upper end of the shaft *d*, and also of the tube *f*, is provided with the bevel-gears *h i*, respectively.

The head of the churn body or barrel I make in two parts—a fixed part, *b'*, and a removable portion, *c'*—and to the fixed part or half-head *b'* I attach the standard *k*. This standard *k* is fitted to receive the shaft *m* and bevel-gear *n*, for giving motion to the dashers *e e* through the gears *h i* and shaft and tube *d f*.

The dashers *e* and *g* are made as rectangular frames, revolving one within the other and in opposite directions, so as to be easily kept clean, but produce violent agitation of the cream.

At the upper part of said standard *k*, I form a head adapted to receive the screw-socket *p*, and this socket forms a bearing for the upper part of the shaft *d*.

From the foregoing it will be understood that the standard *k* is placed upon the fixed half-head *b'*, and carries the shaft *m*, wheel *n*, and socket *p*, as aforesaid, and that, by removing the half-head or portion *c'* and raising the socket *p* in its head by revolving the screw and handle *t*, the shaft *d* and all the parts carried by it can be easily removed from the churn-barrel, and opportunity afforded for cleaning the dashers and inside of the churn in the most thorough manner.

The removable half-head *c'* can be lifted for observing the churning operation without disturbing the other parts of the churn.

I claim as my invention—

The dasher-frames *e g* upon the shaft *d* and tube *f*, respectively, in combination with the gears *h i n* and screw-socket *p*, receiving the end of the shaft *d*, the parts being constructed and acting as and for the purposes specified.

Signed by me this 23d day of March, A. D. 1870.

J. O. MACLASKEY.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.