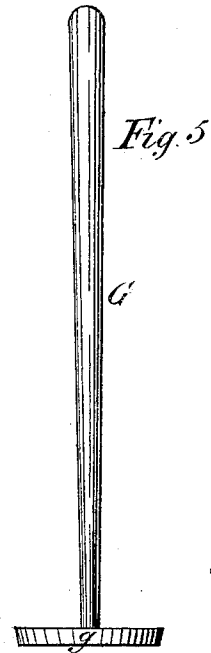
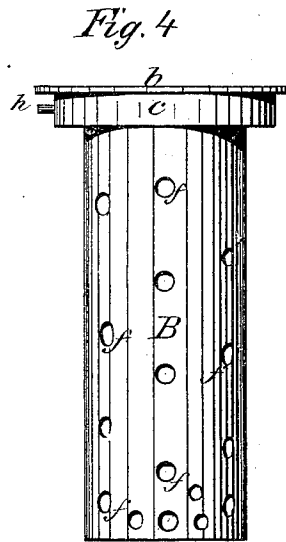
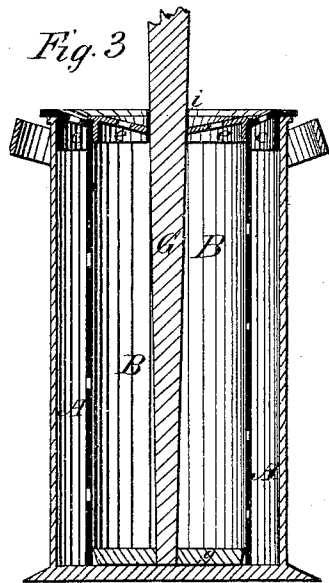
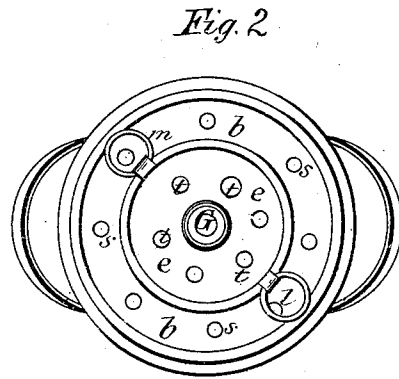
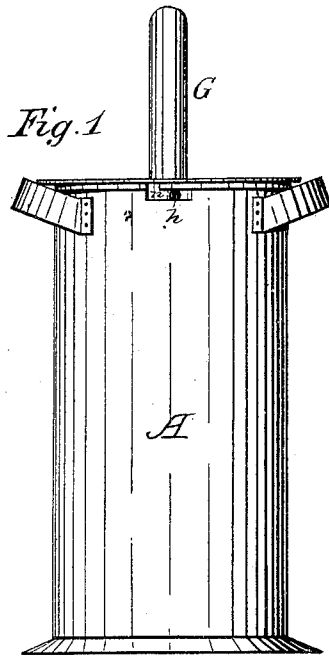


O. ROST.
CHURN.

No. 176,198.

Patented April 18, 1876.



Attest.

Wm. Bagger.
C. A. Snow

Inventor:

Otto Rost,
by Louis Bagger
his Atty

UNITED STATES PATENT OFFICE.

OTTO ROST, OF AUSTIN, TEXAS.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **176,198**, dated April 18, 1876; application filed February 16, 1876.

To all whom it may concern:

Be it known that I, OTTO ROST, of Austin, in the county of Travis and State of Texas, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description thereof, which 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, and in which—

Figure 1 is a side elevation. Fig. 2 is a top plan. Fig. 3 is a vertical transverse section. Fig. 4 shows the inner tube removed, and Fig. 5 is the dasher used with my improved churn.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to that class of churns in which the motion of the dasher is vertical; and it consists in the construction and combination of parts hereinafter more fully shown and described.

In the drawing, A is the body of the churn. This is cylindrical, as shown. B is a tube, the diameter of which is somewhat smaller than that of cylinder A, its height being the same. Tube B has a flange, *b*, the downward-projecting rim of which, *c*, fits inside cylinder A, so that when tube B is inserted into it flange *b* forms a lid or cover for the space *d* between the outer walls of tube B and the inner walls of cylinder A. Tube B has a cover, *e*, having a central perforation, *i*, to accommodate the handle of the dasher. The walls of tube B have a number of perforations, *f*, for the purpose hereinafter described. The dasher used in combination with this churn consists of a handle, G, having a bead or button, *g*, that fits in tube B, so that it may be easily slid up and down inside the same. Tube B is secured

in A by a pin or projection, *h*, on rim *c*, fitting into a notch, *n*, in cylinder A; and it, as well as cover *e*, has handles *m l*, by which they may be conveniently removed when desired. Flange *b* and cover *e* are perforated, as shown at *s s t t*. The object of this is to admit of the circulation of air during the process of churning, thus making the labor much lighter than if the cover *e* and flange *b* were closed tightly.

From the foregoing description the manner of using my improved churn will be readily understood. Perforated tube B being placed in position inside cylinder A, the cream is poured in and cover *e* put on, the handle G of the dasher projecting through perforation *i*. When the dasher is forced down into the cream this escapes through the lower perforations *f* into space *d*, from which it re-enters tube B through upper perforations *f*. It is now on top of button *g* of the dasher, and when this is raised it is forced through perforations *f* back into space *d*, and under the dasher. By this operation the cream is effectually "cut" and butter produced in short time, and by comparatively light labor.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of cylinder A, perforated tube B, having perforated flange *b* and rim *c*, fitting in cylinder A, and perforated cover *e*, all constructed and arranged substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

OTTO ROST.

Witnesses:

Z. T. FULMORE,
CHAS. KUSE.