

C. W. PROBST & F. SCHREIBER.
ROTARY-CHURN.

No. 173,666.

Patented Feb. 15, 1876.

Fig: 1.

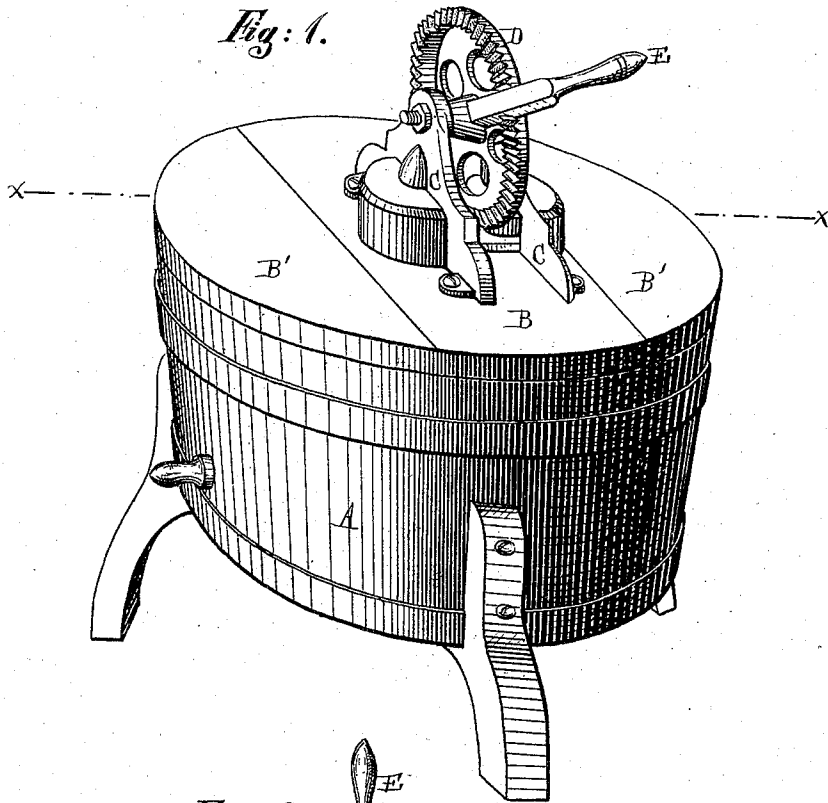
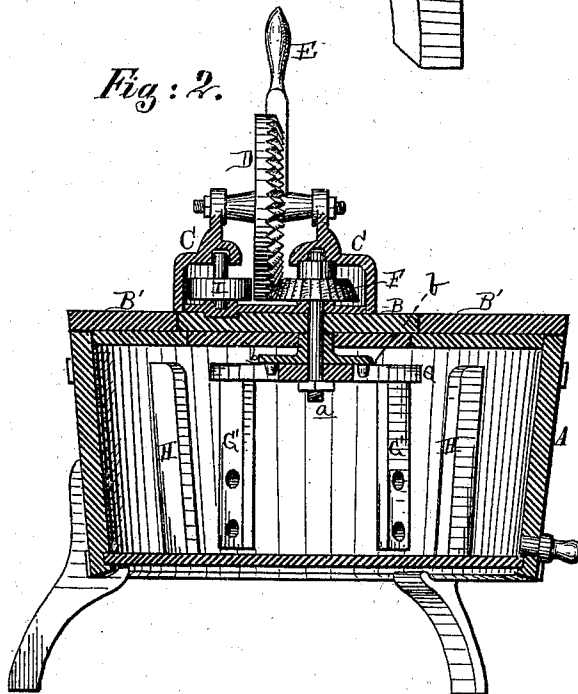


Fig: 2.



Attest.
Wm. T. Spalding
Edward Barthel.

Inventor.
C. W. Probst &
F. Schreiber
By Attorney
Wm. D. Sprague.

UNITED STATES PATENT OFFICE

CHARLES W. PROBST AND FREDRECH SCHREIBER, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN ROTARY CHURNS.

Specification forming part of Letters Patent No. **173,666**, dated February 15, 1876; application filed July 8, 1874.

To all whom it may concern:

Be it known that we, CHARLES W. PROBST and FREDRECH SCHREIBER, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Churn, of which the following is a specification:

The nature of this invention relates to an improvement in churns of that class wherein a rotary dash is suspended from the cover and is driven by gearing on the top of the churn.

The invention consists in the peculiar construction of the various parts and their relative arrangement, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a cross-section at *x x*.

In the drawing, A represents the body of the churn, provided with a cover in three sections, B B' B', the central section B being removable, while the others may be fixed in place. C C are two cast-metal standards, having the hub of a bevel-gear, D, journaled in their tops, their flanged bases being secured to the central section of the cover. The hub has a socket for a lever, E, by means of which it may be oscillated in its bearings. The gear D meshes with and gives motion to a pinion, F, mounted on a vertical shaft, *a*, near its upper end, and journaled through a bearing in

the cover B, its lower pendent end having a T-head, *b*, keyed on it, which straddles two crossed bars, G, bolted on the lower end of said shaft, and from each end of said bars hangs a dash or beater, G', through which several holes are made. To the walls of the churn several rib-like cream-breakers, H, are secured. The upper extremity of the shaft *a* is journaled in a socket in the standard above. At the back side of the gear D a roller, I, is in like manner journaled in the other standard, which keeps the gear D in mesh with its pinion.

The vibration of the lever causes a rapid oscillation of the dash-beaters, which break up the fatty globules of the cream and liberate the butter, with but little expenditure of time and labor.

The buttermilk may be drawn off through a plug-hole in the bottom of the churn.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination, with the body A of a churn, of the shaft *a*, head *b*, pendent dashers G', and cream-breakers H, the several parts operating as set forth.

CHAS. W. PROBST.

FREDRECH SCHREIBER.

Witnesses:

WM. H. LOTZ,

AB. GOTTLIEB.