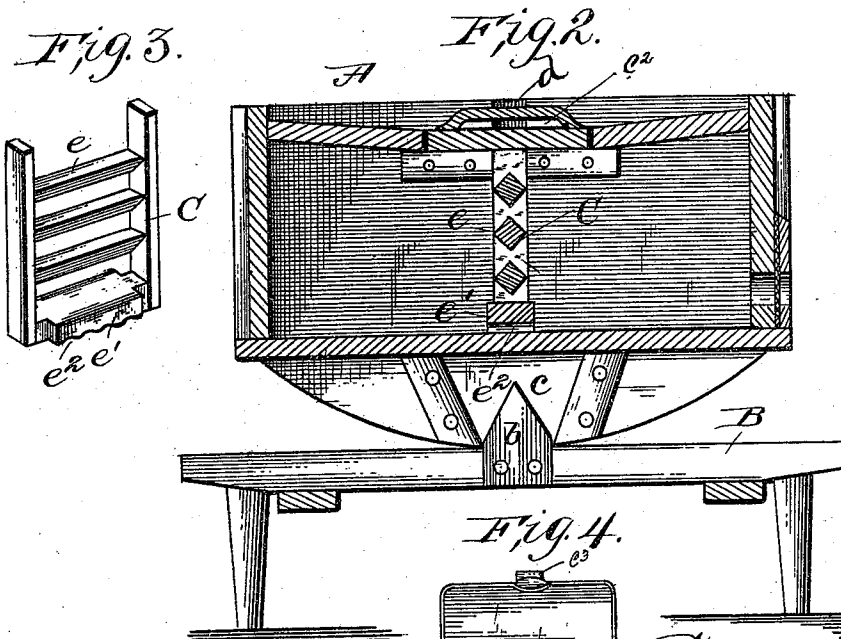
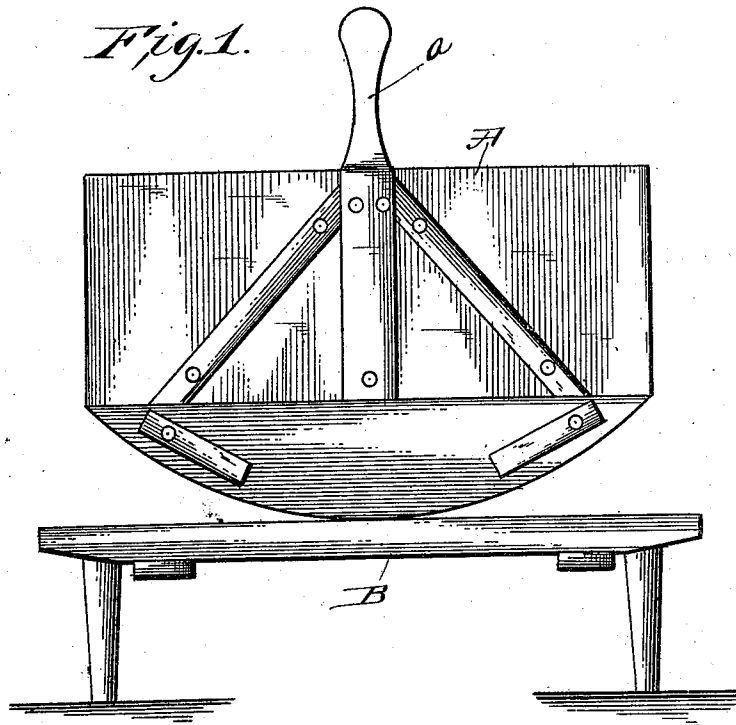


(No Model.)

M. ELLIOTT & A. J. CRIGLER.
CHURN.

No. 502,286.

Patented Aug. 1, 1893.



Witnesses
W. E. Bowen
Myer Myers

Inventors:
Manning Elliott
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UNITED STATES PATENT OFFICE.

MANNING ELLIOTT AND AARON J. CRIGLER, OF MONROE CITY, MISSOURI.

CHURN.

SPECIFICATION forming part of Letters Patent No. 502,286, dated August 1, 1893.

Application filed October 29, 1891. Serial No. 410,202. (No model.)

To all whom it may concern:

Be it known that we, MANNING ELLIOTT and AARON J. CRIGLER, citizens of the United States of America, residing at Monroe City, in the county of Monroe and State of Missouri, have invented certain new and useful Improvements in Churns, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to an improvement in churns, and it consists in the detailed construction and combination of parts substantially as hereinafter disclosed and pointed out in the claims.

In the accompanying drawings: Figure 1 is a side elevation of our churn. Fig. 2 is a sectional elevation of the same, and Fig. 3 is a detailed view showing one of the retaining and limiting stops of the churn body. Fig. 4 is a top plan view of the churn cover.

In the embodiment of our invention, we provide the vessel or body, A, with an ordinary handle, *a*, at one side, which is grasped by the hand for reciprocating the churn. The churn body, A, is convex on its bottom and mounted upon a base or frame, B, having at its center two parallel, conical or tapering projections or guides, *b b*, one upon each of the two side pieces of the frame or base, and engaging rectangular sockets, *c c*, formed or framed, or otherwise put together, of pieces secured to the sides of the churn body, thus providing for the rocking or reciprocation of the churn body and the retention of the same in position against displacement when in operation. The churn body has centrally held in lateral grooves, *d d*, therein, a beater, C, for the thorough agitation and breaking up of the globules of milk or cream, consequently the effective

churning or conversion of the same into butter in the minimum time. The beater, C, has a series of horizontal spaced apart slats, *e*, of diamond shape in cross section, and, at its bottom, a cross piece or base, *e'*, somewhat wider than said slats and having in its under side a series of transverse grooves or recesses, *e''*, for the passage of the most minute particles of the contents of the churn body along the bottom thereof to prevent accumulation of sediment thereat. The end of the churn is further provided with a slot *c'*, for the reception of the lips *c''*, of the cover, whereby said cover is held in position.

Having thus described our invention, what we claim is—

1. The churn body, having in its center the beater, having the series of diamond shape slats, and the bottom piece provided with a series of transverse grooves or recesses, and the base or frame having the tapering or conical projections or guides adapted to engage sockets of the churn body, substantially as set forth.

2. A churn the combination of the body having in its center the beater having a series of slats, and the bottom piece provided with a series of transverse grooves or recesses, and the base or frame having tapering conical projections adapted to engage sockets in the churn body, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

MANNING ELLIOTT.
AARON J. CRIGLER.

Witnesses:

S. B. GILLILAND,
J. F. SMITH.