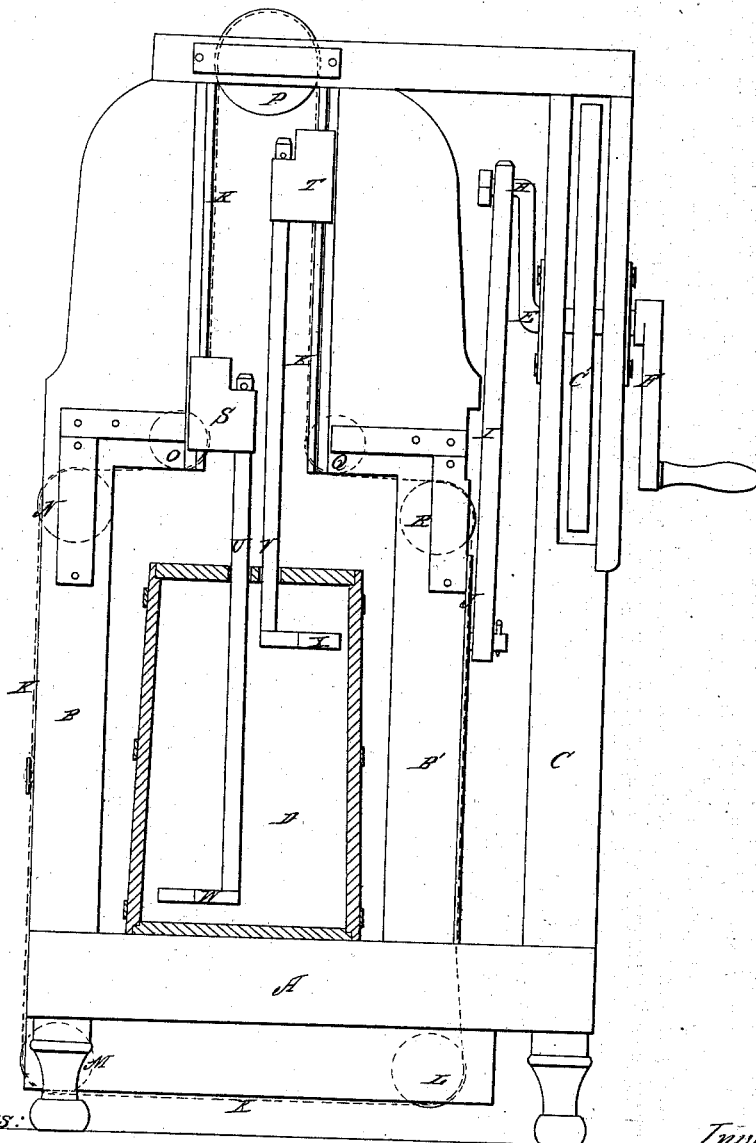


C. F. BAYLOR.
CHURN.

No. 47,383.

Patented Apr. 25, 1865.



Witnesses:

C. D. Smith
Edward Knight

Inventor:

Charles F. Baylor
By *[Signature]*
Attorneys

UNITED STATES PATENT OFFICE.

CHARLES F. BAYLOR, OF CLINTON, NEW JERSEY.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 47,383, dated April 25, 1865.

To all whom it may concern:

Be it known that I, CHARLES F. BAYLOR, of Clinton, Hunterdon county, New Jersey, have made certain new and useful Improvements in Churn-Power; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making part of this specification, in which the machine is represented in elevation with the churn in section, so as to show the dashers.

The object is to obtain a vertical reciprocating motion to the churn dashers by means of the revolution of a hand-crank and without the intervention of gearing.

A is the bed of the machine, on which are supported three standards, B B' C. The bed likewise supports the churn D. The shaft E of the hand-crank F and fly-wheel C' is journaled in the upright C, the wheel rotating in a slot in the standard. To the inner end of the crank-shaft is a wrist, H, which connects by a pitman, I, with a block, J, on a band, K, which passes over pulleys L M N O P Q R, and is again attached to the block J. This belt has a reciprocatory motion as the block J is alternately raised and depressed by the revolution

of the wrist H, and this motion is communicated to the slides S T, which alternately rise and fall as they move in the guide-cleats S S. To the slides S T are attached rods U V, and these to the dashers W X, which move alternately and vertically in the churn.

The motion is very easy, comparatively noiseless, and has proved eminently satisfactory from the smoothness of its motion and its efficiency.

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

The combination of the belt and rollers, substantially as described, with the slides S and T, attached to the dasher-shafts, and the block or attachment J, deriving its motions from the hand-crank and its connections, as described and represented.

To the above specification of my improvement in churn-powers I have signed my hand this 21st day of February, 1865.

C. F. BAYLOR.

Witnesses:

EDWARD H. KNIGHT,
CHARLES D. SMITH.