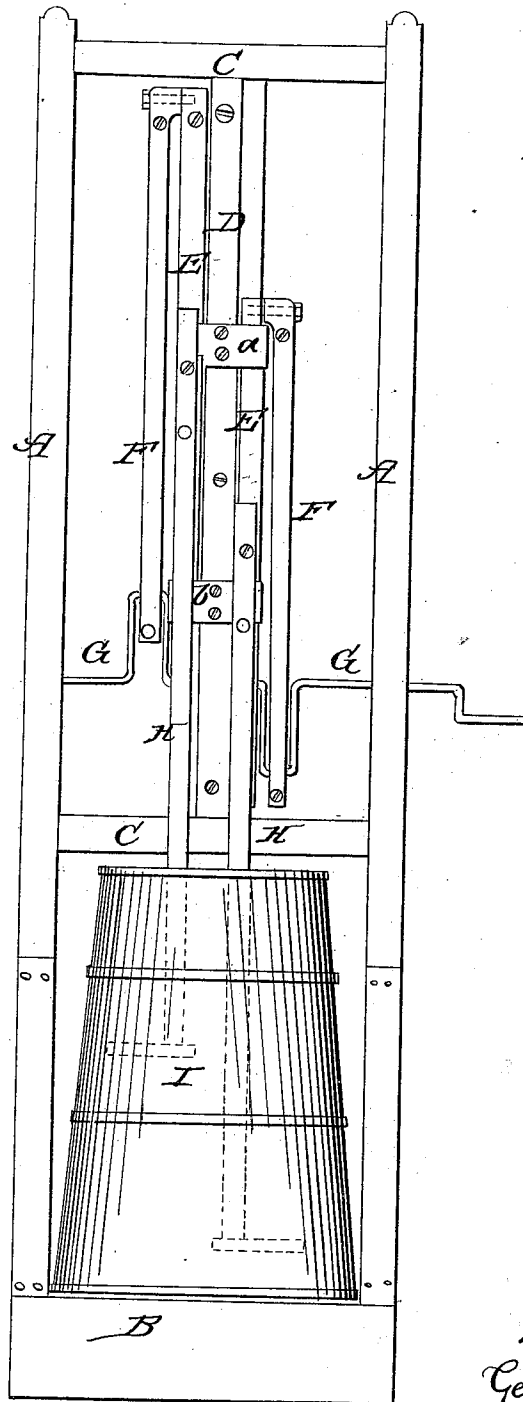


G. W. SAYRE.

Churn.

No. 43,797.

Patented Aug. 9, 1864.



WITNESSES  
J. H. Phillips  
Geo. C. Lambright

INVENTOR  
George W. Sayre.

# UNITED STATES PATENT OFFICE.

GEORGE W. SAYRE, OF PISGAH, OHIO.

## IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **43,797**, dated August 9, 1864.

*To all whom it may concern:*

Be it known that I, GEORGE W. SAYRE, of Pisgah, in the county of Butler and State of Ohio, have invented a new and Improved Churn; and I do hereby declare the following a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the arrangement of mechanism, hereinafter described, through which motion is communicated from the crank shaft to the churn-dashers.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A A represent the upright frame work; B, the pedestal or platform; C C, the cross-ties connecting the uprights A A; D, the center of the frame standing perpendicular in the frame and grooved on either side so as to admit the slides E E, which are retained in their places by clamps marked *a b*; F F, pitmen, connected at the top of the slides by small bolts, so as to allow both to move freely with the rotation of the cranks G G, having an alternate upward and downward motion; H H, the dashers, attached to the center of slides E E by pins, which are easily adjusted to the desired place; I, the churn, which may

be of wood or of any desired material. At each revolution of the crank G it will readily be perceived that an alternating motion of the plungers H H will be the result, diminishing one-half the labor of churning, and effecting at the same time double the result of the ordinary single-plunger churn.

The advantages in the construction and operation of my improvement are of practical importance, as has been fully determined in its successful use. The use of the double-rabbeted central upright, D, with the clamps or clasps *a b* furnishes an economical and novel means of guiding the slides E E, to which the pitmen are connected; and this mode of transmitting the motion affords the greatest facility of attaching and detaching the dashers to enable the operator to remove or replace the churn.

What I claim, and desire to secure by Letters Patent as my invention, is—

The arrangement of the double-rabbeted central upright, D, provided with its clasps *a b*, and slides E E, furnished with adjusting pins for the dashers, when operated together in the manner described, for the purpose as set forth.

GEORGE W. SAYRE.

Witnesses:

GEO. C. LAMBRIGHT,  
J. H. PHILLIPS.