

(No Model.)

G. A. ROSSON & C. A. WEVER.
CHURN.

No. 515,058.

Patented Feb. 20, 1894.

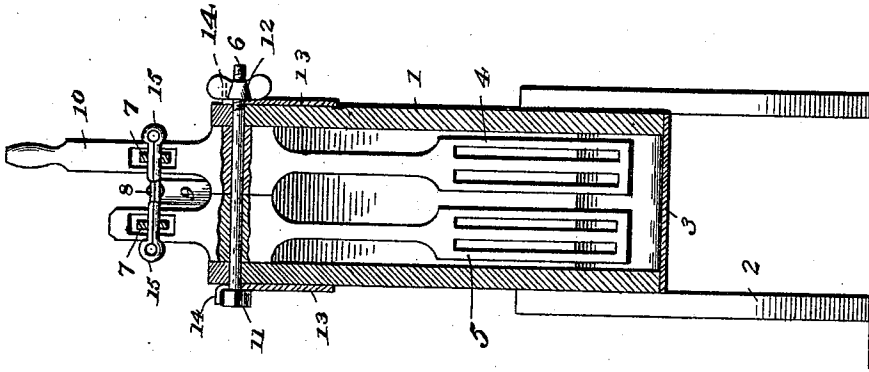


Fig. 2

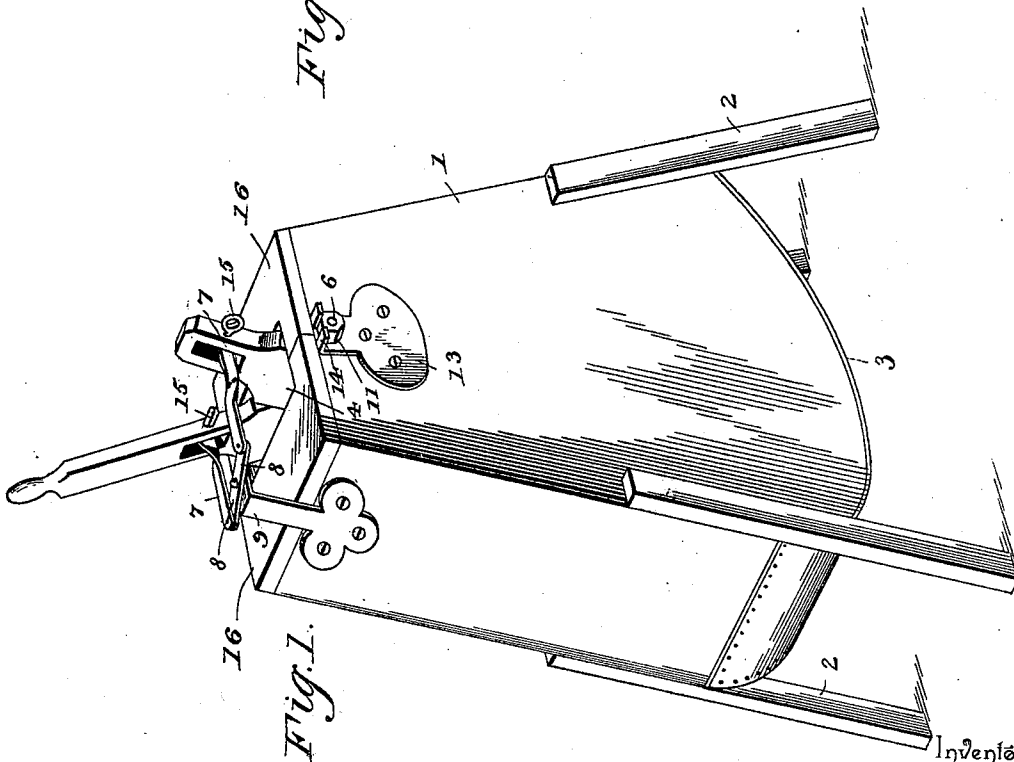


Fig. 1.

Witnesses

J. W. Kelly
J. W. Kelly

George A. Rosson, and
Charles A. Wever,
By their Attorneys.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

GEORGE A. ROSSON AND CHARLES A. WEVER, OF CLAYTON, ILLINOIS.

CHURN.

SPECIFICATION forming part of Letters Patent No. 515,058, dated February 20, 1894.

Application filed October 31, 1893. Serial No. 489,651. (No model.)

To all whom it may concern:

Be it known that we, GEORGE A. ROSSON and CHARLES A. WEVER, citizens of the United States, residing at Clayton, in the county of Adams and State of Illinois, have invented a new and useful Churn, of which the following is a specification.

The invention relates to improvements in churns.

The object of the present invention is to improve the construction of churns, and to provide a simple and inexpensive one, capable of effecting a rapid production of butter.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

In the drawings—Figure 1 is a perspective view of a churn constructed in accordance with this invention. Fig. 2 is a transverse sectional view of the same.

Like numerals of reference indicate corresponding parts in both figures of the drawings.

1 designates a tapering sector-shaped churn body, supported by legs 2 and provided with a sheet metal bottom 3, and receiving within it reversely oscillating dashers 4 and 5, which are fulcrumed on a transverse shaft 6. The dashers are provided at their lower ends with blades and have above their fulcrum or pivotal points openings to receive connecting bars 7, which are pivoted to the dashers, and to the ends of a horizontally disposed lever 8, fulcrumed on a support 9, and causing the dashers to reversely oscillate, whereby a rapid production of butter is effected. The dasher 4 is extended vertically, and terminates in a handle 10, by which the churn is operated. The shaft 6 has one end threaded, and its other end is provided with a polygonal head 11, and it is arranged in open bearings 12 of plates 13. The plates 13 are provided at their tops with outwardly extending flanges 14, arranged at opposite sides of the open bearing recesses and adapted to be engaged by the polygonal head of the shaft to prevent the latter from turning during the oscillations of the dashers when the churn is operated. The threaded end of the shaft is provided with a thumb nut, and by loosening the latter, the shafts and the dasher may be readily removed after the operation of churning is completed. The

connection bars 7 are pivoted to the dashers 55 by keys or pins 15 or other suitable devices, which will enable the dashers to be readily disconnected when desired.

It will be seen that the churn is simple and comparatively inexpensive in construction, and that it is capable of rapidly producing butter at the expenditure of a minimum amount of labor.

The churn is provided with a cover composed of two sections 16 provided at their adjacent edges with recesses to form a central opening for the dashers.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What we claim is—

1. In a churn, the combination of a churn body, a horizontal shaft journaled on the body, reversely oscillating dashers fulcrumed on the shaft, one of the dashers being extended vertically to form a handle, a horizontal lever mounted on the churn and fulcrumed between its ends, and connecting bars pivotally secured to the ends of the horizontal lever, and to the dashers, substantially as described.

2. In a churn, the combination of a body, plates secured to the body at opposite sides thereof and provided with open bearings and having at their tops outwardly extending flanges arranged on opposite sides of the bearings, a shaft arranged in the open bearings and provided in one end with a polygonal head located beneath the adjacent flanges, means for securing the other end of the shaft, the reversely oscillating dashers mounted on the shaft and extending above the same, one of the dashers forming a handle, a horizontally disposed lever fulcrumed between its ends and mounted on the churn body, and bars connecting the dashers with the ends of the horizontal lever, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

GEORGE A. ROSSON.
CHARLES A. WEVER.

Witnesses:

IKE L. TEACHENOR,
O. G. MULL.