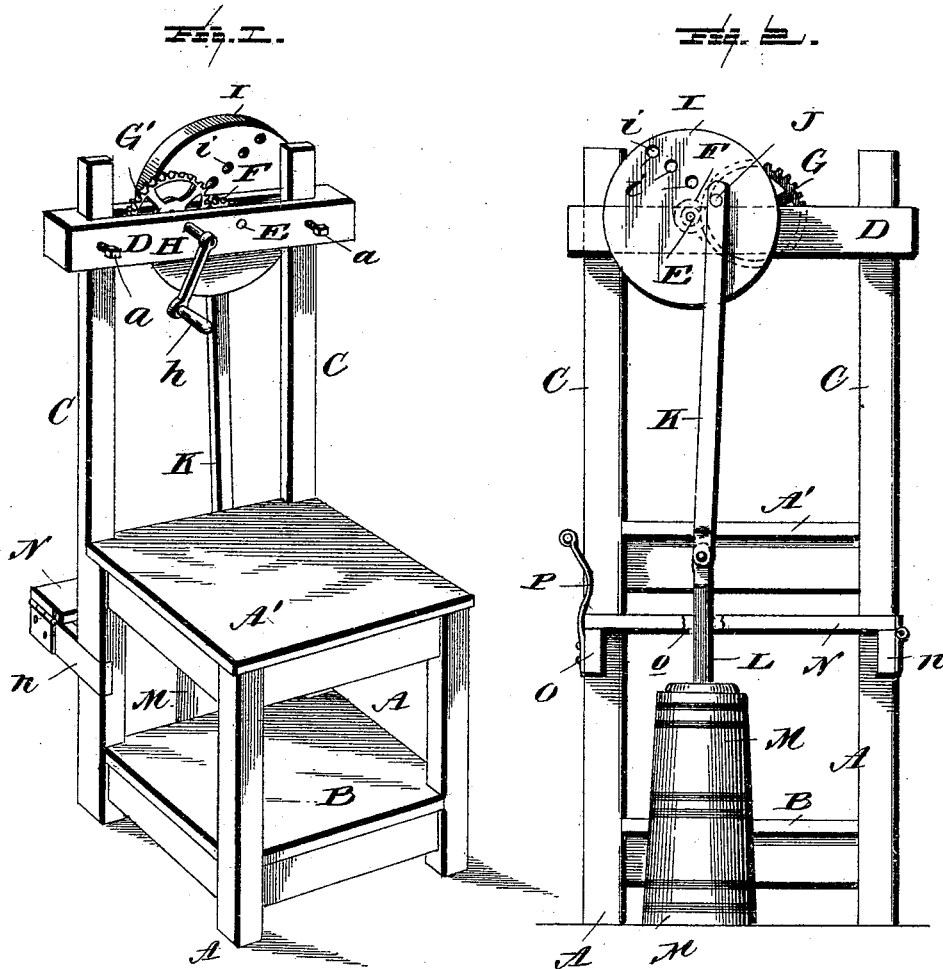


(No Model.)

J. M. TEDLOCK.
CHURN.

No. 493,535.

Patented Mar. 14, 1893.



Witnesses:
L. C. Hills.
Wm. Grant.

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UNITED STATES PATENT OFFICE.

JAMES M. TEDLOCK, OF URBANA, MISSOURI.

CHURN.

SPECIFICATION forming part of Letters Patent No. 493,535, dated March 14, 1893.

Application filed May 24, 1892. Serial No. 434,164. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. TEDLOCK, a citizen of the United States, residing at Urbana, in the county of Dallas and State of Missouri, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in churns, and it has for its objects among others to provide an improved cheap and easily operated churn, in which provision is made for the ready disconnection of the dasher and for the removal of the churn when desired.

The novelty resides in the peculiarities of construction, and the combination of parts all as more fully hereinafter described, shown in the drawings and then particularly pointed out in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification and in which

Figure 1 is a perspective view of my improvement. Fig. 2 is a side elevation of the same.

Like letters of reference indicate like parts in both of the views.

Referring now to the details of the drawings by letter, A designates a support which I make in the form of a table or chair upon the upper part A' of which the operator is designed to sit or stand as may be desired. A shelf B is formed beneath the top upon which articles may be placed.

Care standards or uprights rising from one side of the support and which are connected at their upper ends by the slotted cross bar D as seen in Fig. 1, in the slot of which the standards are arranged and which is adjustably held in place as by the set screws *a*. By this means the cross bar may be adjusted to suit the length of pitman or the place in which the churn is to be located.

E is a shaft journaled in this cross bar and carrying between the two sides thereof a small pinion F which meshes with a larger

pinion G which is carried by a shaft H also journaled in the cross bar, the pinion being arranged between the sides of the said bar as seen in Fig. 1. Suitable means, as a crank handle *h* are provided for revolving the shaft H and its large pinion.

I is a disk carried by the shaft E outside the cross bar and this disk is provided with a plurality of holes *i* arranged upon one side of the center and in any one of which is designed to be detachably engaged or received the wrist pin J to which is connected the pitman K the upper end of the pitman being loosely sleeved on the pin *j*.

L is the dasher shaft; it is detachably connected with the lower end of the pitman in any suitable manner.

M is the churn body of any known construction.

N is a bar hinged at one end to a projecting arm *n* on the support A and this bar has an opening *o* through which the dasher shaft is designed to loosely reciprocate. The other end of this bar rests upon a block O on the opposite side of the support A as seen in Fig. 2 and a spring arm P is provided one end of which is attached to the support and which is adapted to bear against the end of the bar and hold it against displacement.

The operation will be readily understood. Importance is attached to the hinged bar and its catch in connection with the detachable connection of the dasher shaft with the pitman for by this construction the dasher shaft is guided and yet easily removed after the churning is done, by simply disconnecting the shaft from the pitman and then disengaging the spring arm which can then be turned up and the dasher shaft removed.

What I claim as new is—

The combination with the support in the form of a chair and the horizontally-projecting arm *n*, thereon, of the block O parallel with the said arm upon the other side of the support, the horizontal cross bar N hinged at one end on the end of the arm *n* to be raised vertically in the arc of a circle of which said hinge is the center, and provided with a hole for the passage of the dasher shaft, the vertically-reciprocative dasher stem including a pitman detachably connected with said stem or shaft

passed loosely through said hole, means for
reciprocating said shaft or stem a vertically
adjustable cross bar for supporting the oper-
ating means, and the spring arm or catch se-
cured to the outer face of the block O and
5 having a compound bend to be engaged by
the free end of the hinged cross bar, all sub-
stantially as shown and described.

In testimony that I claim the above I have
hereunto subscribed my name in the presence 10
of two witnesses.

JAMES M. TEDLOCK.

Witnesses:

JAMES W. COON,
RICHARD HOWARD.