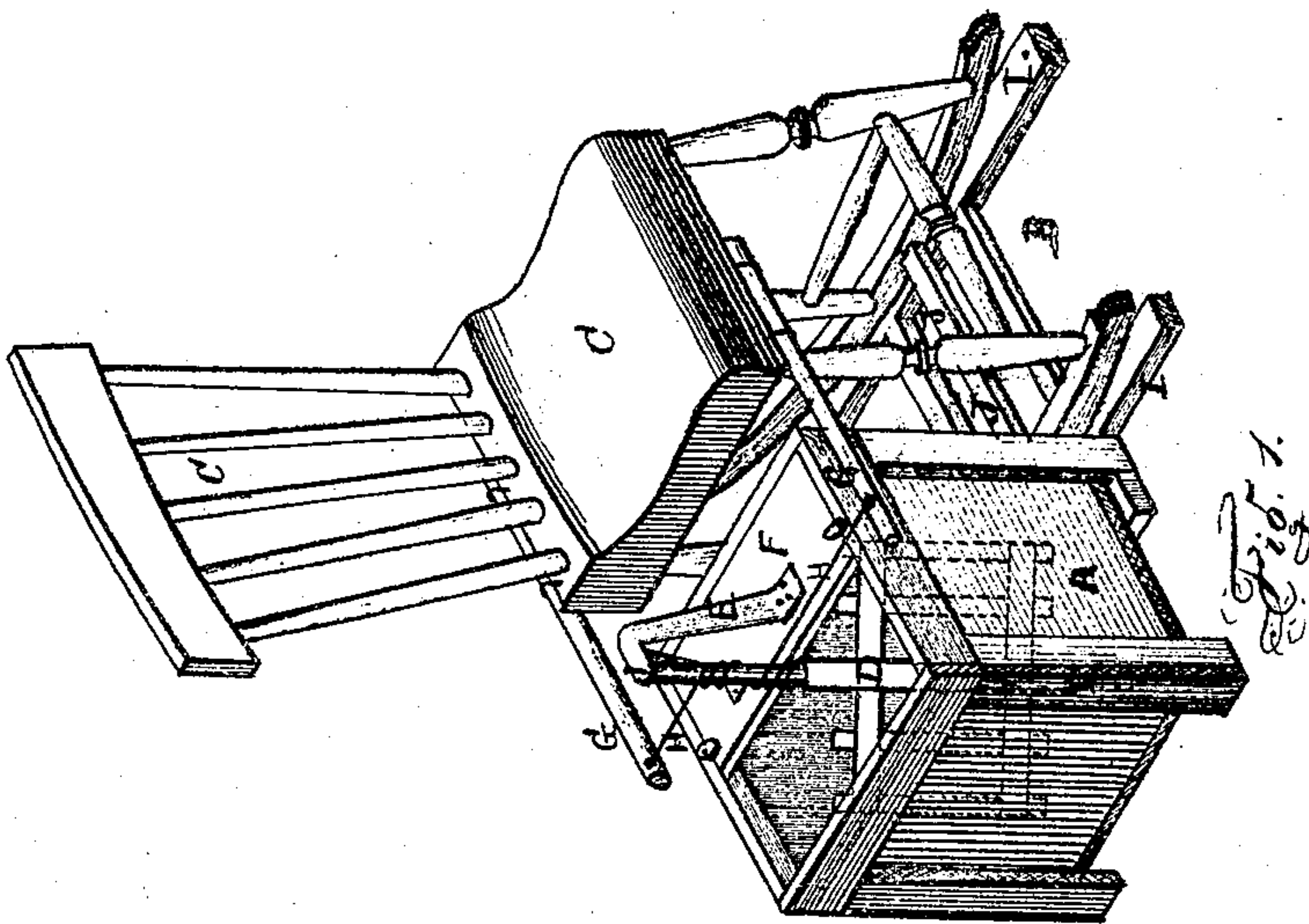


J. H. Reed,

Churn.

No. 110,678.

Patented Jan. 8. 1871.



Witnesses:
G. H. Frost.
Wm. C. Howell.

Inventor
James H. Reed
By Farnell, Allswhite & Co.
Attorneys.

United States Patent Office.

JAMES H. REED, OF LAFAYETTE, INDIANA.

Letters Patent No. 110,678, dated January 3, 1871.

IMPROVEMENT IN CHURNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES H. REED, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented a new and improved Churn; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

The figure is a perspective view of a churn and rocking-chair, connected for joint operation.

My invention has for its object to provide an improved means for operating churns, to render the process of churning less laborious and tedious; and to this end

It consists in the method of applying an ordinary rocking-chair to a churn, whereby the motion of the chair in rocking shall operate the churn, as will be hereinafter more fully described.

In the accompanying drawing—

A is the body of a churn of ordinary or suitable construction, mounted upon a base or frame-work, B, which extends to one side of the churn for the reception of an ordinary rocking-chair, C.

D is the churn-dasher, stepped at its lower end in the bottom of the body A, and pivoted at its upper end in a bent arm, E, affixed to the cover F of the churn, as shown.

G G are two arms affixed to the front and rear edges of the chair-seat, and extending parallel to each other over the churn, upon each side of the churn-dasher.

To the outer ends of the arms are secured cords, H, which are wound in reverse directions round the shaft of the churn-dasher.

By this arrangement of the cords H and arms G, with reference to the dasher and chair, the movements of the latter in rocking rotate the dasher alternately in opposite directions with great rapidity.

The rockers of the chair rest upon two wide parallel strips, I, of the base, and are prevented from displacement by being notched transversely, the notches fitting over the transverse bar J of the base, as shown in the drawing, at every motion of the chair.

The dasher is readily removed from the churn for cleaning, &c., by lifting off its upper bearing with the cover.

The extension-arms G are adapted to slide within loops K, affixed to the lower edge of the chair-seat, and when the chair is used simply as a rocker and not applied to the churn, are pushed under the seat out of the way.

By my invention it will be seen that the process of churning butter can be easily performed by any person sitting in a rocking-chair without employing their hands in the operation.

Having thus described my invention,

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

1. The combination of the sliding arms G and cords H, with the rocking-chair and the churn-dasher, substantially as described, for the purpose specified.

2. The base or frame-work supporting the chair and churn, provided with the transverse bar J, adapted to enter notches formed in the rockers of the chair, substantially as described, for the purpose specified.

JAMES H. REED.

Witnesses:

G. H. FROST,
SAMUEL JONES.