(No Model.)

R. C. ROBINSON.

CHURN.

No. 388,373. Patented Aug. 21, 1888.

Fig. 1.

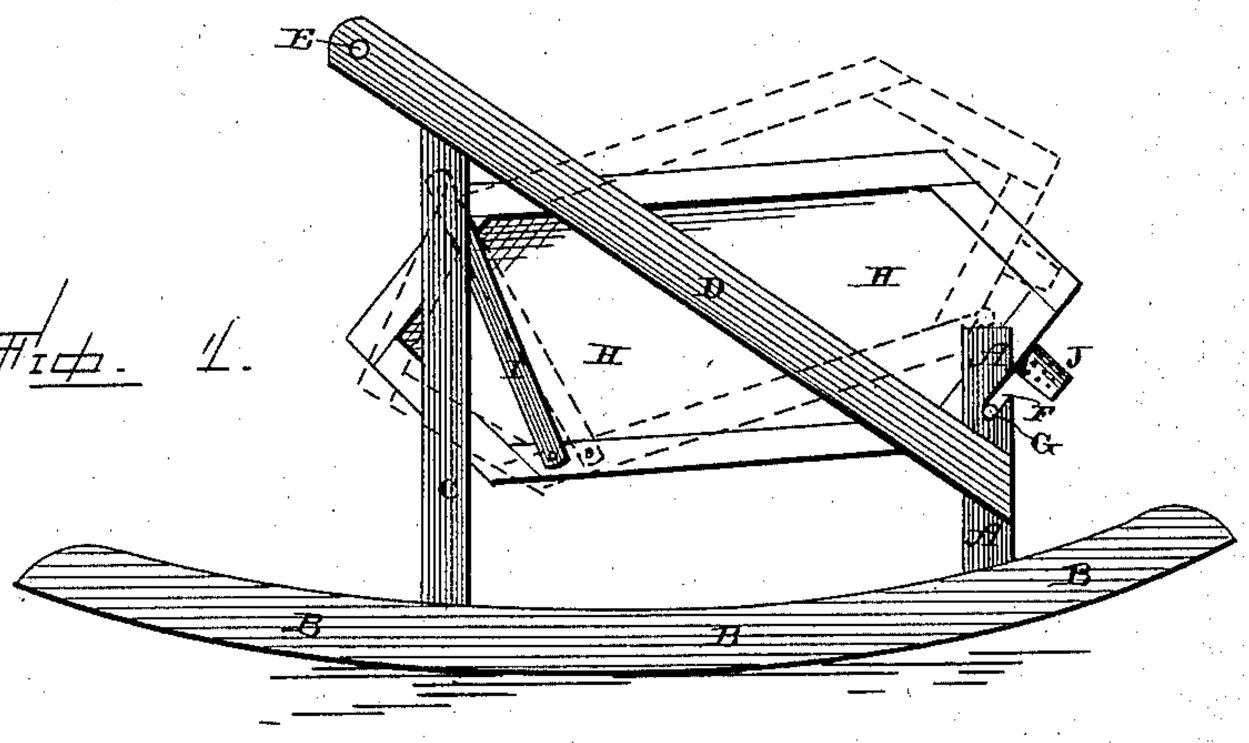


Fig. 2.

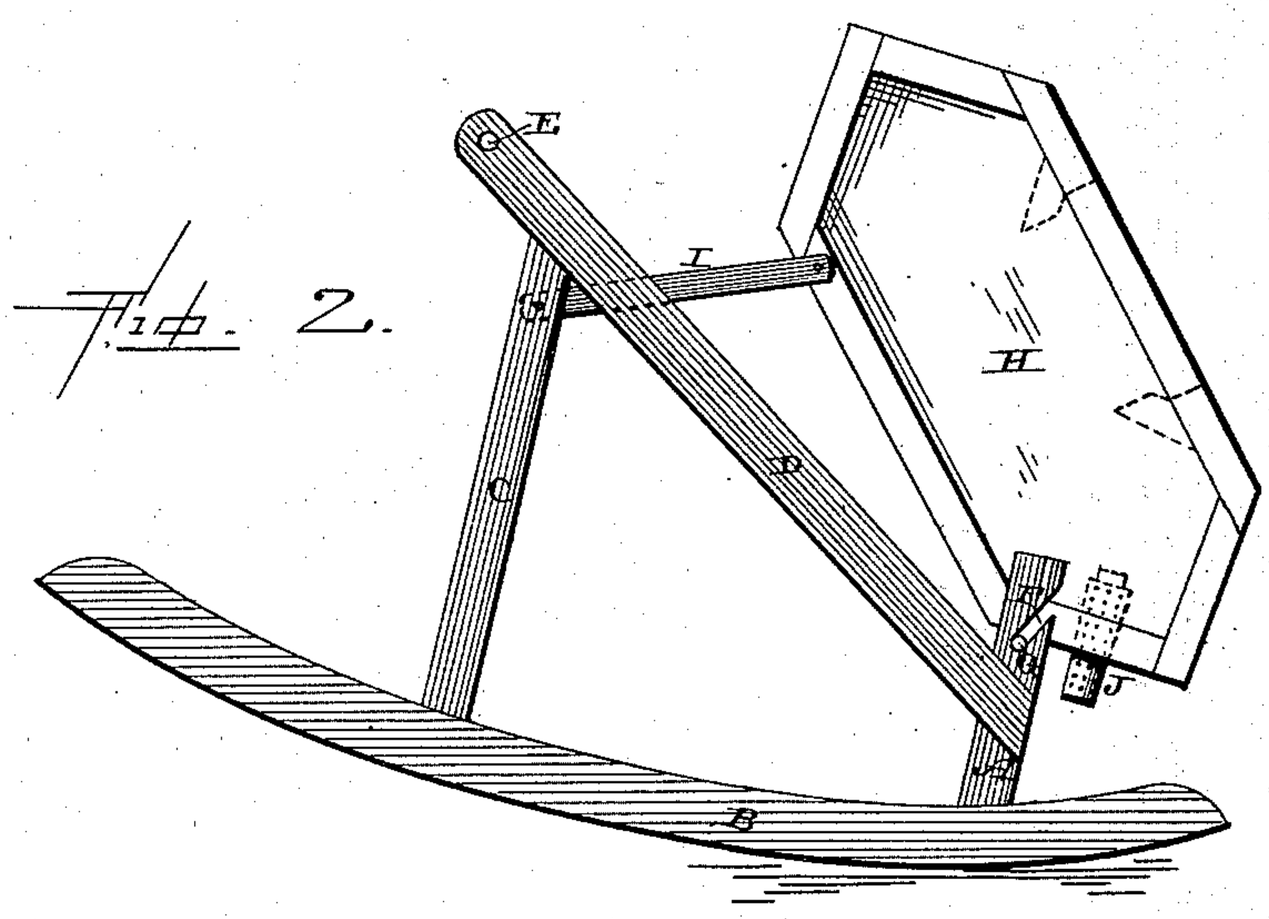
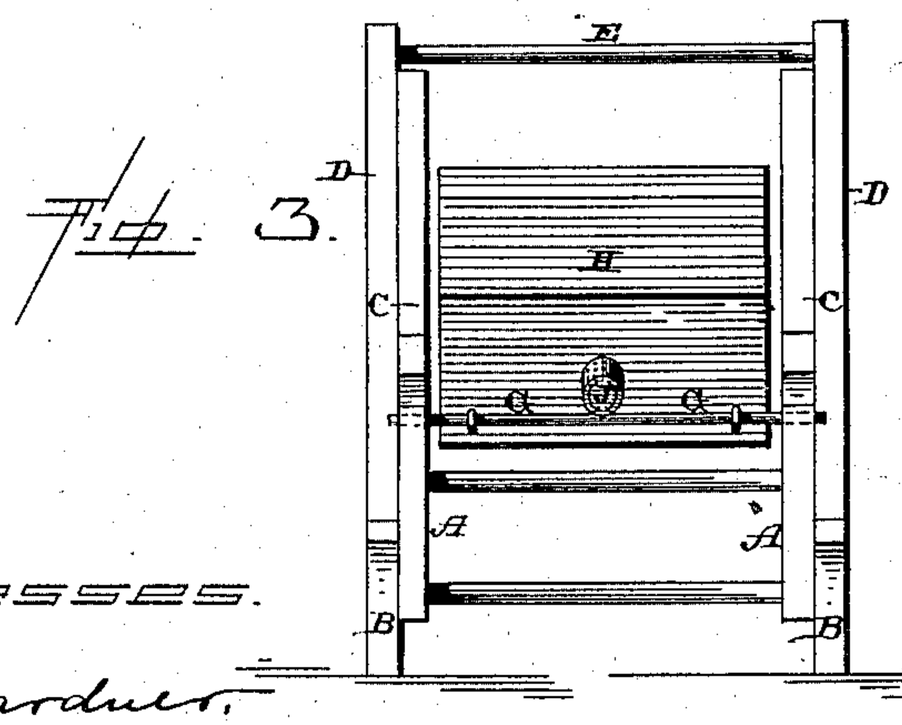


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

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CHURN.

SPECIFICATION forming part of Letters Patent No. 388,373, dated August 21, 1888.

Application filed April 16, 1888. Serial No. 270,827. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. ROBINSON, of McLeansborough, in the county of Hamilton and State of Illinois, have invented certain new and useful Improvements in Churns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in churns; and it consists in the combination of a suitable frame-work which is mounted upon rockers with the body, which is suspended at one end by means of straps, and which is supported at the other end by means of a cross-rod, which is adapted to catch in notches in the frame-work while the churn is in operation, but which body can be tilted toward either end, all of which will be more fully described hereinafter.

The object of my invention is to place the churn upon rockers, so that the cream will be churned by simply rocking the body back and forth, and to connect the body to the frame-work by means of metallic straps, which will allow the body to be held with either end in a raised position.

Figure 1 is a side elevation of a churn which embodies my invention, one end being shown in a raised position in dotted lines. Fig. 2 is a similar view, showing the body raised at the opposite end for the purpose of drawing off the milk. Fig. 3 is an end view.

A represents the front uprights, which are secured at their lower ends to rockers B, and C the rear uprights, which are also secured to the rockers at their lower ends, and which are made considerably longer than the front uprights, A. These two sets of uprights are rigidly braced together by the side pieces, D, which extend beyond the rear uprights and have the handle E passed through them. In the outer edge of the front uprights, A, are made the notches F, in which the cross-rod G, secured to the front of the churn-body H, catches. This cross rod G is longer than the body H is wide, and hence its ends catch in the notches F, so as to support the body H rigidly in a horizontal position while the churn is in operation, and is adapted to catch upon the upper ends of the uprights A after the churning is over and when it is desired to gather the butter. The body H is supported at its rear end by means of a strap, I, upon each side, which straps are secured at their upper ends to the inner side of the uprights C, and which have their lower ends fastened to the bottom of the body H. These straps allow the body to have both an endwise and a tilting movement, as shown by Figs. 1 and 2. After the churning has been completed the front end of the body is raised so that the ends of the cross-rod G rest upon the tops of the standards A, and thus throw all of the contents of the body toward the rear end. By giving the frame a slight rocking motion all of the butter is gathered.

When it is desired to draw off the contents of the body H, the plug or cock which closes the opening through the front end of the body is removed and the strainer is placed in position from inside of body. The body is then tilted into the position shown in Fig. 2, when all of the buttermilk will run out through the strainer J, leaving the butter in the body to be washed and removed.

The body will preferably be made of the shape here shown; but I do not restrict myself to any particular shape, as this may be varied at will without departing from the spirit of my invention. The body being supported upon rockers, it is only necessary to catch hold of the handle E and rock the body back and forth, when the cream will be dashed from one end of the body to the other, quickly breaking the butter globules. As the reaction of the cream from one end to the other assists in keeping the body in motion after it is once started, it will readily be seen that it is very easy to operate the churn.

Having thus described my invention, I claim—

The combination of the standard A, provided with notches F, rockers B, standards C, braces D, and handle E, with the body H, the suspending-straps I, and the cross-rod G, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT C. ROBINSON.

Witnesses:
B. FREEMAN,
L. J. HALE.