T. B. JEWETT.

Churn.

No. 161,794. Patented April 6, 1875.

Fig 1

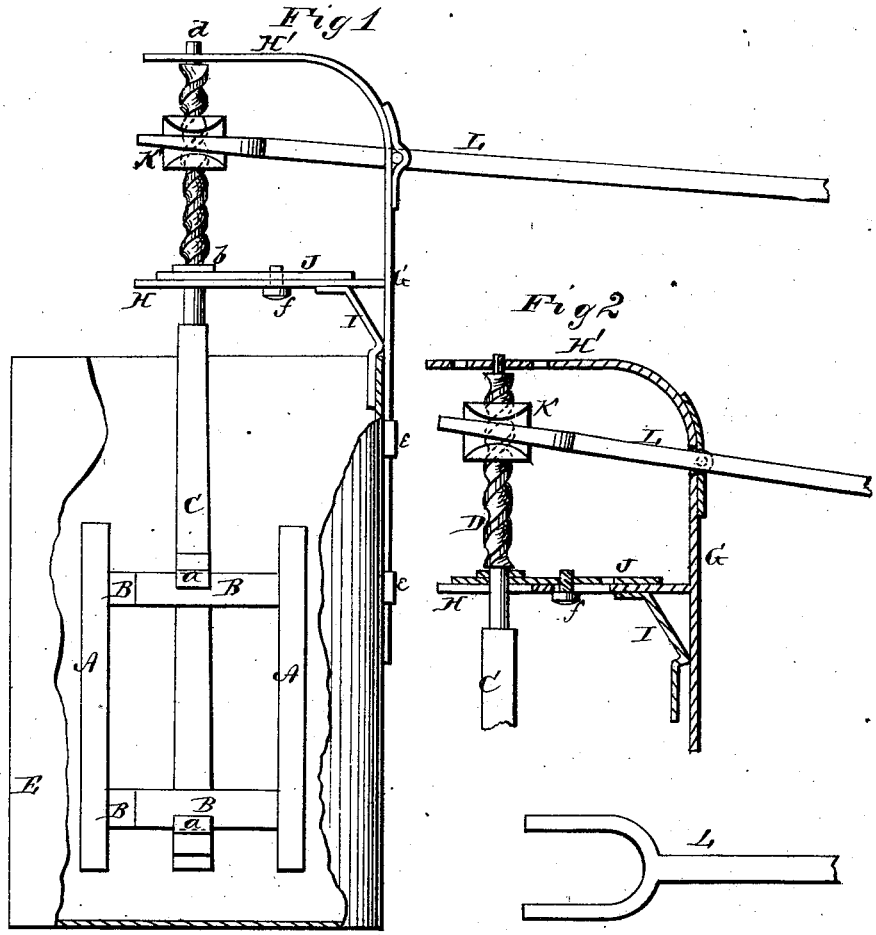
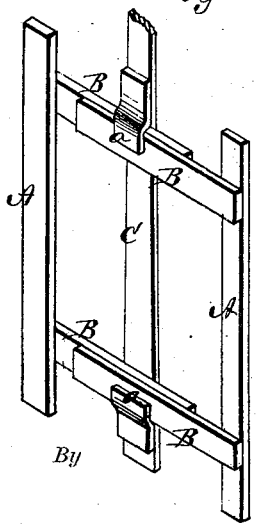


Fig 2

Fig 3



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UNITED STATES PATENT OFFICE.

THOMAS B. JEWETT, OF LAWRENCE, KANSAS.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **161,794**, dated April 6, 1875; application filed April 3, 1875.

To all whom it may concern:

Be it known that I, THOMAS B. JEWETT, of Lawrence, in the county of Douglas and in the State of Kansas, have invented certain new and useful Improvements in Churns; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a churn-dasher, the devices for operating the same, and the devices for attaching the same to a churn, all as hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of my invention applied to a churn. Fig. 2 is a section through the supporting-frame for the dasher; and Fig. 3 is a perspective view of the churn-dasher proper.

My churn-dasher is composed of two upright bars, A A, each of which is provided near its ends with arms B B, extending at right angles, as shown. These arms are held in catches *a a*, formed on or attached to a central upright bar, C, admitting of the dasher-bars A A being adjusted at any desired distance from the center bar, and thus accommodating themselves to any sized churn. To the upper end of the center bar C is attached a spiral rod or screw, D, provided near its lower end with a collar, *b*, and at its upper end with a pin or pivot, *d*. E represents the churn, constructed in any suitable form and size, and provided on its outer side with two loops, *e e*, through which is passed a standard, G, from which project two parallel arms, H H′. The lower arm H is braced by means of a brace, I, catching on the edge of the churn E, as shown in Fig. 1. On this arm is an adjustable plate, J, which may be adjusted out and in, as desired, and held by means of a bolt or set-screw, *f*. The shank of the screw D passes through the outer end of this plate, the collar *b* resting thereon. The pin or pivot *d* is inserted in holes in the upper arm H′, forming the upper bearing for the screw.

By moving the plate J out or in, and placing the pivot *d* in different holes in the arm H′, the center shaft, with dasher, is adjusted to suit the size of the churn in which it is used. On the screw D is placed a nut, K, which is grooved or notched in its sides to receive the forked end of a lever, L, which is pivoted in the standard G. By working the outer end of the lever L up and down the nut is correspondingly raised and lowered, thereby twisting the screw alternately in opposite directions, and rapidly revolving the dasher.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The adjustable churn-dasher herein described, consisting of the vertical bars A A, with arms B B held and adjusted in catches *a a* on the central shaft or bar C, substantially as and for the purposes herein set forth.

2. The combination, with the adjustable churn-dasher A B C, of the screw D, adjustable plate J, nut K, and perforated arm H′ of the removable frame G H, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of April, 1875.

THOS. B. JEWETT.

Witnesses:

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C. L. EVERT.