

(No Model.)

Z. T. SLUSHER.
CHURN.

No. 283,033.

Patented Aug. 14, 1883.

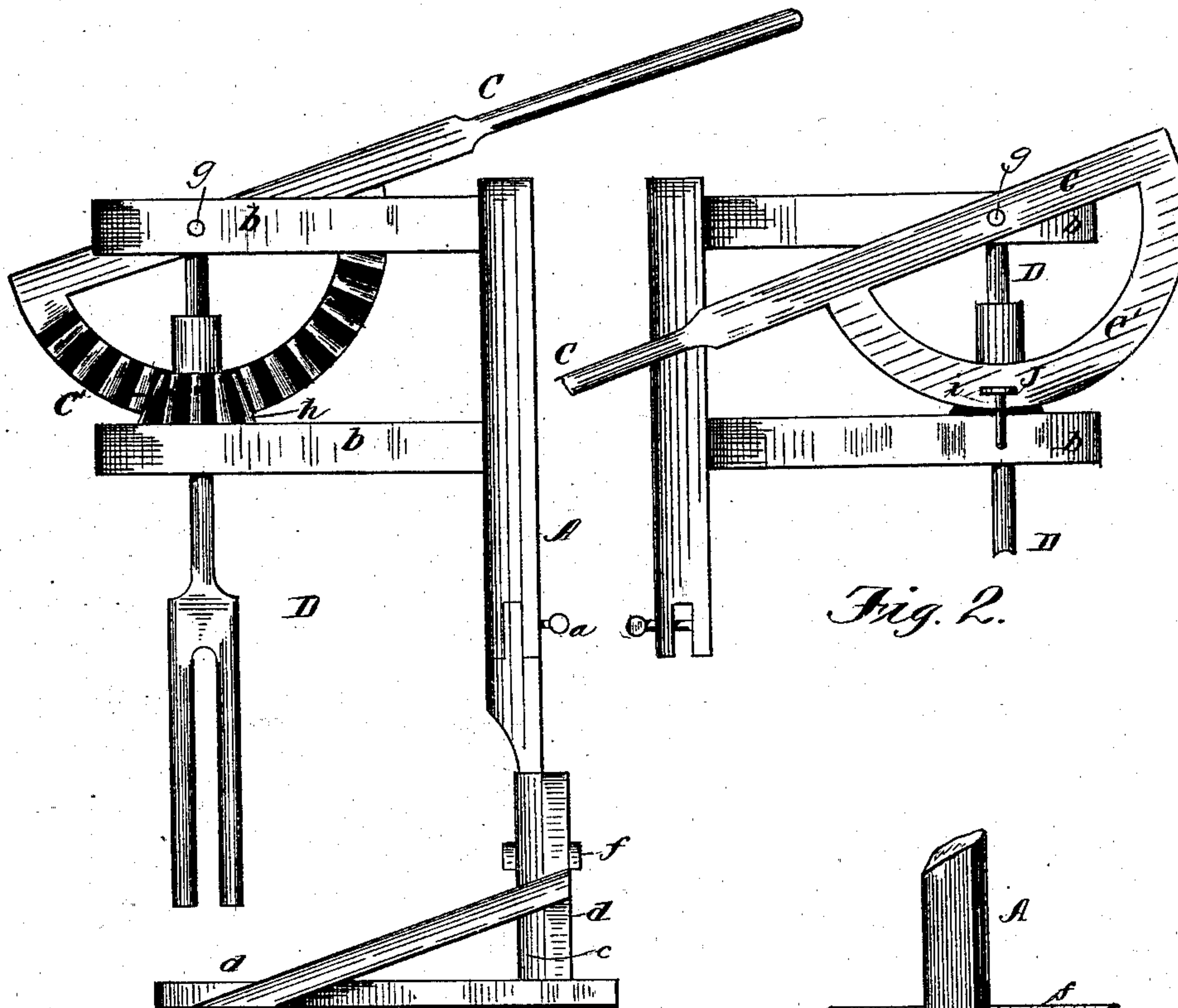


Fig. 1.

Fig. 2.

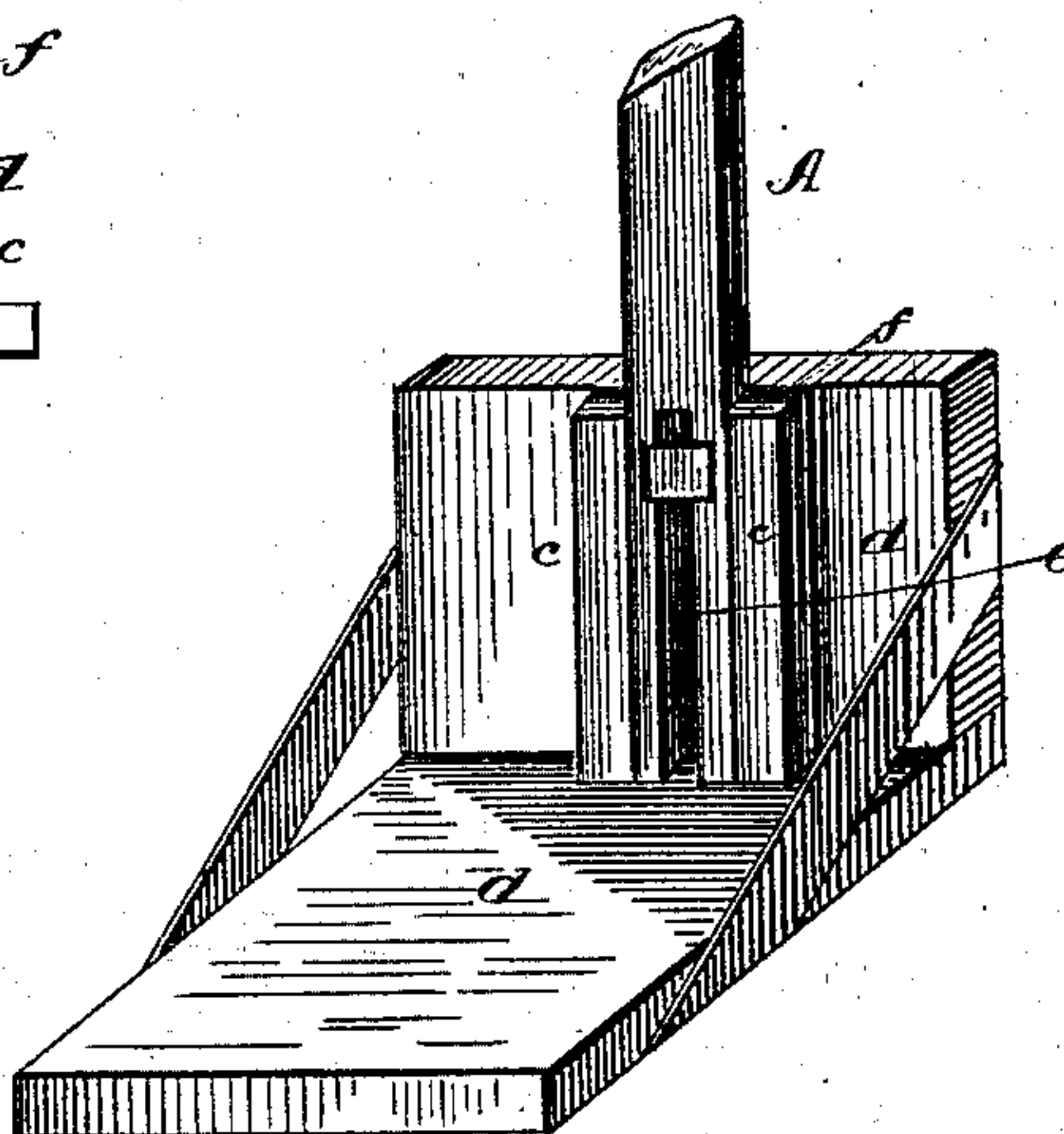


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

ZACHARIAH T. SLUSHER, OF MIRA FORK, VIRGINIA.

CHURN.

SPECIFICATION forming part of Letters Patent No. 283,033, dated August 14, 1883.

Application filed April 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, ZACHARIAH T. SLUSHER, a citizen of the United States, residing at Mira Fork, in the county of Floyd and State of Virginia, have invented certain new and useful Improvements in Churns; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention pertains to improvements in contrivances for converting motion, adapted, among other purposes, to operating churn-dashers, and is capable of adjustment to permit its arrangement with relation to the churn-body and its removal therefrom.

The invention consists in the combination and arrangement of parts, substantially as hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 is a side view of my improvement as applied to a churn-dasher. Fig. 2 is a detailed side view of the same. Fig. 3 is a similar perspective view of the base.

A is a standard, made in two parts, which are spliced together, the upper one being reversible and adapted to be detached by releasing a thumb-screw, *a*, and said standard has two arms or brackets, *b*, one arranged at its upper end and the other a short distance below that point, and its lower end is fitted adjustably and detachably between cleats *c c*, fastened to a base-piece or support, *d*, said lower end of standard having a vertical slot, *e*, through which and the upright portion of base *d* passes a bolt, *f*.

C is a hand-lever, which is provided with a segmental rack or cogged semicircle, *c'*, said lever being fulcrumed at about midway the

rack *c'* upon a pivot, *g*, projecting from the upper arm *b* of the standard A. Within the other arm *b* of the standard A is supported the churn-dasher staff D, having a beveled pinion, *h*, by means of which and the cogged segment *c'*, as the hand-lever C is vibrated, a rotary motion is imparted to the dasher to effect the churning operation.

The adjustability of the appliance above described enables it to be readily arranged or disposed with relation to the churn-body or other device, and to be removed therefrom as may be required.

To hold the segment *c'* in proper engagement with the pinion *h*, and at the same time reduce friction, a projection or bracket, *i*, is secured to the upper arm *b* of the standard A and bears a disk or roll, J, whose periphery revolves against the outer or rear side of the segment, as clearly seen in Fig. 2.

By means of the broad base *d* and the reversibility of the upper portion of the standard A, the operator can stand on the base or place the churn thereon, whereby the dasher supporting and operating parts are held in position.

I claim and desire to secure by Letters Patent—

The broad base *d*, having an upright portion, provided with cleats and a bolt for holding a spliced standard, the lower portion thereof being adjustable and the upper portion reversible and provided with two arms, in combination with the segmental rack, friction-roller, pinion, and dasher, as shown and described.

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

ZACHARIAH T. SLUSHER.

Witnesses:

WM. A. HYLTON,
HATHAWAY P. HYLTON.