S. KREITER.
Churn

No. 204,582. Patented June 4, 1878.

Fig. 1.

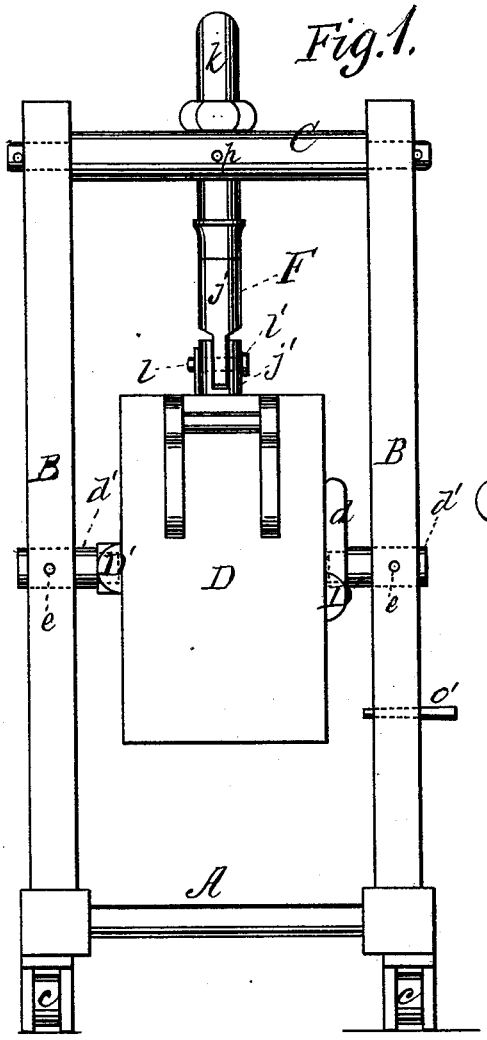


Fig. 2.

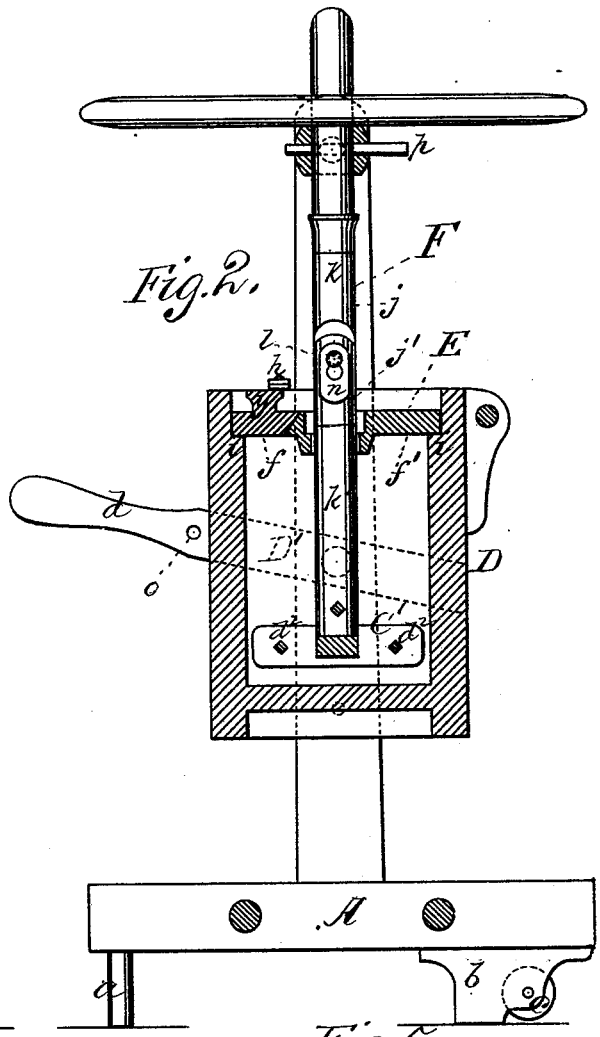


Fig. 3.

Fig. 4.

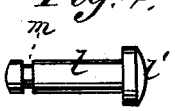
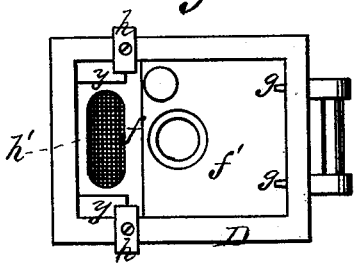


Fig. 5.



WITNESSES
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **204,582**, dated June 4, 1878; application filed April 20, 1878.

To all whom it may concern:

Be it known that I, SAMUEL KREITER, of Silver Lake, in the county of Kosciusko and State of Indiana, have invented a new and valuable Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of an end view of my improved churn. Fig. 2 is a vertical longitudinal section thereof; and Figs. 3, 4, and 5 are details.

My invention has relation to improvements in swinging churns having a flexibly-jointed dash-rod.

The nature of the invention consists in certain novel combinations of parts, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates the base of the churn-stand, supported upon legs *a* at one end, and at the other by a metallic plate, *b*, having journaled therein a trundle-wheel, *c*, that is off the ground when the churn is in use.

B designates spaced uprights erected on the base, and connected together at their tops by a rock-shaft, C.

D indicates the churn, tub, or box, preferably of rectangular form and vibrating vertically between the posts B. It has upon its sides the cross-bars D′, one of which is extended outward to form a handle, *d*. These bars afford bearings for the rabbeted ends of the journal-pins d^1, that extend through the said uprights, and are secured thereto against rotating or endwise movement by means of the through-pins *e*.

Near the top of the box is a ledge, *i*, upon which the lid E rests. This lid is composed of two sections, *f f′*, having their contiguous edges beveled, as shown in Fig. 2. Section *f′* has an aperture through which the dasher-rod F extends, and when in position its end is engaged under spurs *g*, projecting from the end of the case inward. The section *f* has a rib, *y*, extending from end to end thereof, and sufficiently high to be flush with the top of the tub.

Upon the top of the sides of the box are placed turn-buttons *h*, which, when turned, as shown in Fig. 5, lie upon the rib and prevent the section *f* from all displacement. The contiguous edges of the sections being beveled, that of the section *f* overlying the section *f′*, and the end of the latter being under the spurs *g*, the said buttons secure the whole lid to the box in a very commodious manner.

The section *f* has sometimes a gauze-covered aperture, *h′*, through it, in which event the middle portion of the rib will be wanting.

The dasher C′ is a wooden frame having any number desired of lozenge-shaped cream-cutting rods, d^2, arranged with their sharp edges upward.

The dash-rod is formed in two sections, *k k′*. Section *k* has upon its lower end a metallic tip, *j*, the rabbeted end of which is received in a forked tip, *j′*, on the upper end of the section *k′*, being pivoted thereto by means of a pin or bolt, *l*. The pin *l* has at one end a head, *l′*, and at the other an annular groove, *m*, and is prevented from working out of the joint by means of a metallic lock-plate, *n*, having an opening, *i*, in one end sufficiently large to receive the end of the bolt, and terminating in a slot, *i′*, of the same width as the diameter of the said bolt at the annular groove. The lock-plate is passed over the bolt, with slot *i′* upward, until it reaches the groove *m*. It is then drawn down until it assumes the position shown in Fig. 2, thereby preventing the bolt from all endwise displacement.

The handle-bar *d* has a perforation, *o*, which, when the churn is rotated in position to be emptied, is in line with a similar hole in the upright. A pin, *o′*, is then passed into the holes and the tub locked in position. The section *k* extends through the rock-shaft C, and is adjustably secured thereto by means of a pin, *p*, passing through registering perforations in the section and shaft.

The box may be actuated either by means of a cross-handle on the upper end of the dash-rod or by means of the side handle *d*.

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

1. In a churn, the combination, with a churn having the inside ledge *i* and the projecting spurs *g*, of the lid E, composed of the sections

f f', having contiguous beveled edges and the buttons, substantially as specified.

2. The combination, with the coupled dash-rod sections *k k'* and their hinge-pin *l*, having a head, *l'*, and an annular end groove, *m*, of the locking-plate *n*, having the key-hole slot *i i'*, substantially as specified.

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

SAMUEL KREITER.

Witnesses:

HENRY PAULUS,

DAVID BLAIR.