

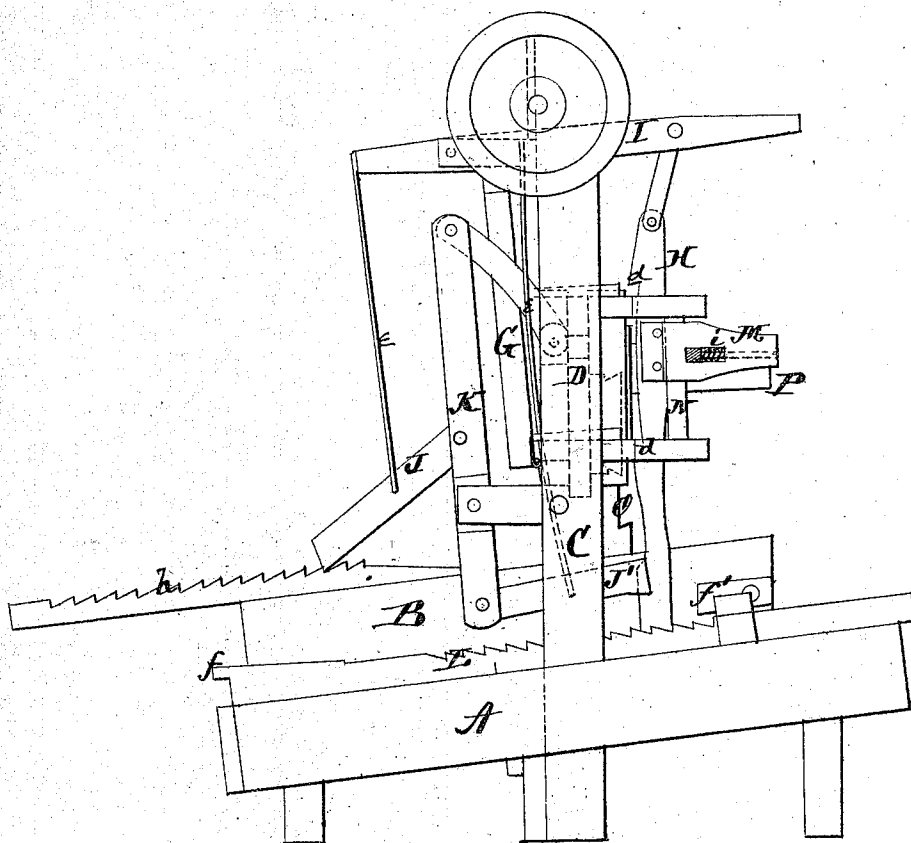
PETER P. MEREDITH.

Improvement in Butter Workers.

No. 119,385.

fig. 1

Patented Sep. 26, 1871.



Witnesses.

C. L. Evers
J. L. O'Connell

Inventor.

Peter P. Meredith
per H. H. H. H.
Atty.

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Fig. 2

Patented Sep. 26, 1871.

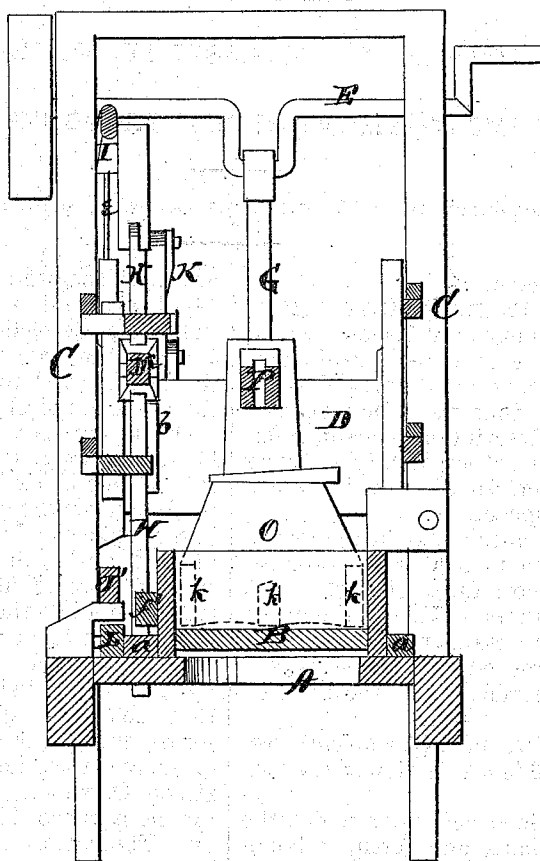
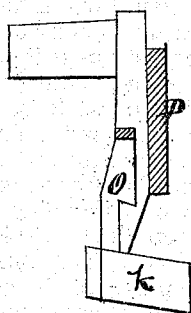


Fig. 3



Witnesses.

C. L. Ewert.
J. L. Curran

Inventor.

Peter P. Meredith
per
Alexander Murray
Attys.

UNITED STATES PATENT OFFICE.

PETER P. MEREDITH, OF STEVENSVILLE, MONTANA TERRITORY.

IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. 119,385, dated September 26, 1871.

To all whom it may concern:

Be it known that I, PETER P. MEREDITH, of Stevensville, in the county of Missoula and in Montana Territory, have invented certain new and useful Improvements in Butter-Worker; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing 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 butter-worker, as will be 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 view, and Fig. 2 an end view of my machine. Fig. 3 is a side view of the butter-stamp.

A represents an inclined bed, upon which the butter-box B moves back and forth, it being held between two stationary guide-bars, *a a*. C C represent two upright standards, connected at their upper ends by a suitable cross-bar and having grooves or guides on their inner sides, in which a cross-head, D, moves up and down. This cross-head is operated by means of a crank-shaft, E, and pitman G, said pitman being hinged to the cross-head, as shown in Fig. 1. H is an upright or cam-bar having two catches, *d d*, and hung to the lever I, which is pivoted to an arm extending from one of the uprights C. From this lever rods *e e* connect with the feed-hands or pawls J J', which are pivoted at suitable points on a pivoted bar, K, said bar being connected with and operated by the cross-head D. *b* is a block fastened to the cross-head D for the purpose of working the cam-bar H. L is a rack feed-bar, upon the inner side of which is a projecting lug, *f*, and on the butter-box, at the opposite end, but on the side toward the feed-bar, is a similar lug, *f'*.

When the machine is turned, feeding the box B down the incline A, by means of the feed-hand J working in a ratchet-bar, *h*, attached to the edge of the butter-box, until the lug *f'* comes against the cam-bar H, said bar will be carried forward until it catches on the block *b*. This block then carries the bar down with the cross-

head, bringing the lever I down so as to drop the feed-hand J' into the feed-bar L, and at the same time raise the feed-hand J out of the ratchet-bar *h*, when the box returns until the lug *f* strikes the cam-bar and brings it again in contact with the block *b*, thereby again reversing the feed.

On the cam-bar H is fastened a spring-block, M, straddling a stationary bar, N. On the inside of this block is a spring, *i*, bearing against the bar N for the purpose of holding the cam-bar H to its place and prevent it from catching on the block *b* until the proper time, and at the same time supporting the lever I and keeping it where it is wanted, so that it will not drop down of its own weight when raised. O represents the butter-stamp, which is dovetailed and keyed to an upright bar attached to the cross-head D, so that the stamp can readily be taken out at will for the purpose of cleaning and scalding. Three or more projections, *k k*, are fastened into the stamp O, which make gutters in the butter for the purpose of letting the milk and water run off. The bottom of the stamp is cut inclined or beveling, so that the milk and water will readily run into the gutters formed by the projections *k k*.

Place the butter in the box and set the machine in motion, and occasionally roll it up into a pile under the stamp. Occasionally throw a little cold water over it and rinse the milk off, and as soon as it is worked enough put in the salt and work it until well salted; then take a clean white cloth, scald it a little and rinse in cold water, then wring dry, spread on top of the butter and run the stamp over it a couple of times; then wring dry again and turn the butter over, and, after running the stamp over it once or twice, spread the cloth and run the machine over as before. The cloth is pressed on the butter and absorbs all the moisture and leaves it dry and in good condition to keep.

From the upper end of the bar which connects the butter-stamp with the cross-head projects an arm, P, for holding the churn-dash, and by removing the butter-box there is a place for a churn, thus enabling the operator to run a churn with the same machine.

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

1. The combination of the cam-bar H provided with hooks *d d*, the block *b* on the cross-head D,

and a spring or other equivalent device suitably arranged to hold said cam-bar away from the block except when forced close to it to change the direction of the movement of the butter-box, substantially as herein set forth.

2. The arrangement of the cam-bar H, lever I, rods *e e*, pawls or feed-hands J J', and the pivoted lever K connected with the cross-head D, substantially as and for the purposes herein set forth.

3. The butter-stamp O provided with projections *k k*, and keyed to the cross-head D so as to be readily removed, for the purposes herein set forth.

4. The combination of the inclined plane A with guides *a a*, butter-box E with lug *f'* and ratchet-bar *h*, and the feed-bar L with lug *f*, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of June, 1871.

PETER P. MEREDITH.

Witnesses:

G. A. BAKER,

J. B. BAKER.