

D. A. FRICK.
BUTTER-WORKER.

No. 190,024.

Patented April 24, 1877.

Fig. 1.

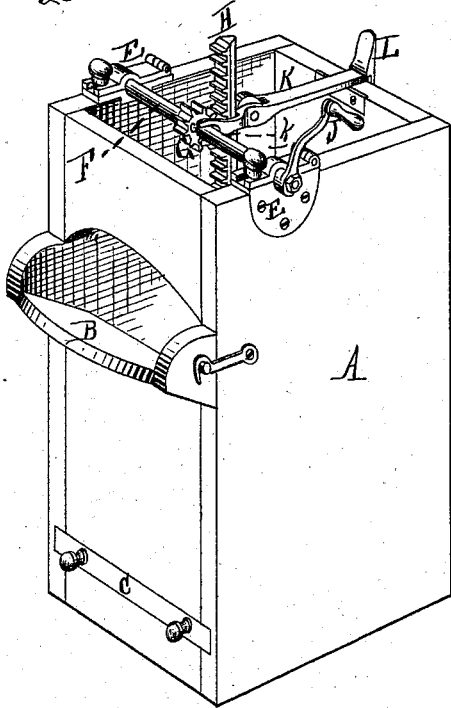


Fig. 2.

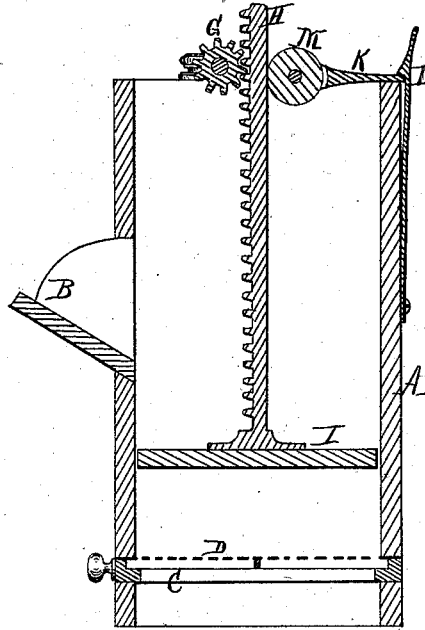
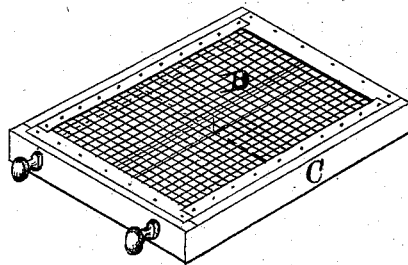


Fig. 3.



Attest:
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UNITED STATES PATENT OFFICE.

DAVID A. FRICK, OF OTTAWA, OHIO.

IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. **190,024**, dated April 24, 1877; application filed January 13, 1877.

To all whom it may concern:

Be it known that I, DAVID A. FRICK, of Ottawa, in the county of Putnam and State of Ohio, have invented an Improved Butter-Worker, of which the following is a specification:

The nature of my invention relates to an improvement in butter-workers; and it consists in the combination of the parts for guiding and operating the follower, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig 2 is a longitudinal section on the line *xx*. Fig. 3 is a perspective view of the sieve and frame.

In the drawing, A represents a rectangular box, open at both ends, and provided with a hopper, B, at the side. C is a drawer-frame, having a sieve, D, secured therein. E are hinged journal-boxes, secured to the top of the box A, in which the shaft F has its bearings. G is a pinion, keyed to the shaft F, which engages with a rack-bar, H, the lower end of which has secured to it a follower, I, the whole being operated by a crank-handle, J, on one end of the shaft F. K is a forked guide-bar, having bearings *k*, which rest against the shaft F, straddling the rack-bar H, while the other end rests upon the top of the box A, being held in place by a spring-latch, L. In the fork of the guide-bar K is

journalled a guide-wheel, M, which bears against the back of the rack-bar, and keeps it in engagement with the pinion G in its vertical movement.

In the operation of this device the plunger is brought up so that its lower side is above the hopper. The butter is then put into the box resting upon the sieve. A rotary motion is then given to the shaft and pinion, which causes the plunger to descend upon the butter, and presses it through the sieve into any proper receptacle placed beneath it.

This operation is repeated until the butter has become thoroughly comminuted.

Should it be desired to remove the plunger from the box the caps of the journal-boxes E are thrown back, and the guide-bar K removed, when the shaft F can be lifted out, after which the plunger and rack-bar H can readily be withdrawn.

What I claim as my invention is—

The boxes E, having hinged caps, the forked guide-bar K, and spring-latch L, in combination with the box A, shaft F, and rack-bar H, as and for the purposes set forth.

DAVID A. FRICK.

Witnesses:

J. L'N. LONG,
H. C. LUC.