

EDWARD L. WALKER.

Improvement in Butter Workers.

No. 121,559.

Patented Dec. 5, 1871.

fig: 1.

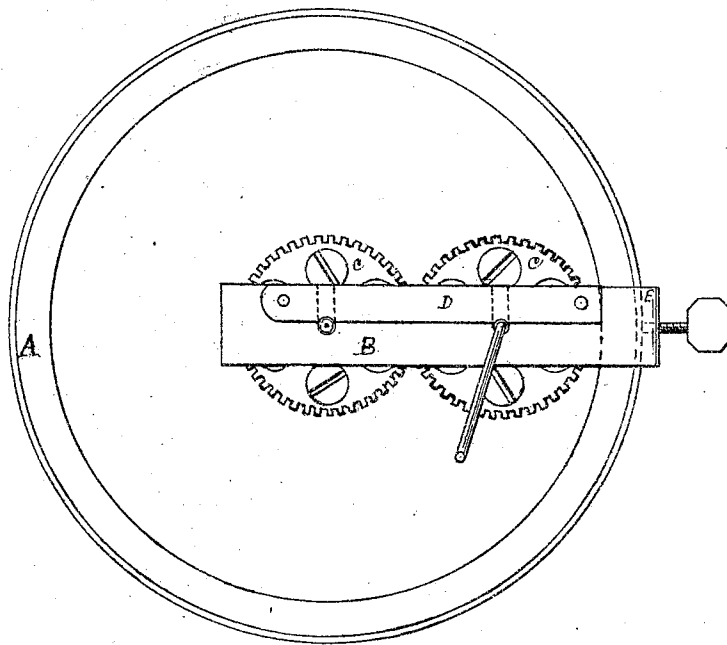
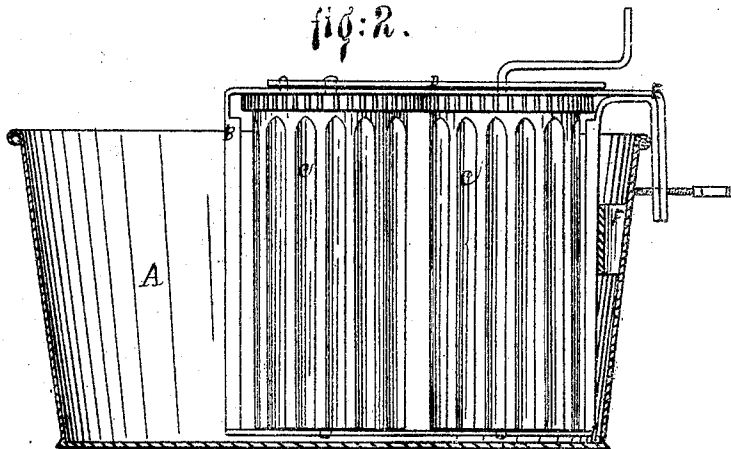


fig: 2.



Witnesses:

J. M. Hale
E. H. Walker

Inventor:

Edward L. Walker

UNITED STATES PATENT OFFICE.

EDWARD L. WALKER, OF TWIN GROVE, WISCONSIN.

IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. 121,559, dated December 5, 1871.

To all whom it may concern:

Be it known that I, EDWARD L. WALKER, of Twin Grove, county of Green and State of Wisconsin, have invented a new and useful Improvement in Butter-Workers; 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 drawing making part of this specification, in which—

Figure 1 is a plan or top view of a butter-worker embracing my improvement. Fig. 2 is a perspective view of the same with the sides of the tub open to show the position of the rollers and the arrangement for fastening the frame to the tub.

Similar letters of reference indicate the same parts in both figures.

My invention consists in the employment of two upright rollers geared together and arranged in a frame at such a distance from each other that a mass of butter in passing between them will not be cut off but simply pressed and drawn through between them, said rollers to be slightly grooved or otherwise made rough so they will take hold of the butter to draw it through; the object being to allow a sufficient space between the rollers so that the butter will be kneaded and not cut in passing. The upright posts of the frame into which the rollers are set are also to be so arranged that the rollers will work close up to the said posts, and thus clean or push off the mass of butter that may adhere to either of the rollers after it has passed through. The butter, after passing through between them, and being in an upright sheet or mass, will of its own accord turn over, and thus secure a thorough mixing of the butter by passing the mass through between the rollers until the same is thoroughly mixed and the milk worked out of it.

In using it the tub may be set to lean a little, so that the milk will drain to the side of the tub; or water may be thrown into the tub to absorb the milk. To feed the rollers a small paddle can be used with the one hand while the other is turning the rollers by means of the crank-and-cog gear. There is also a cross-bar secured to one side

of the upright frame, which is designed to rest against the inside of the tub, and a neck is secured to the upper part of the frame, which passes over the top and down the outside of the tub to a point lower down than the said cross-bar, and at this point a thumb-screw is inserted for the purpose of fastening the frame containing the rollers to the tub, the same being designed to be used in tubs of different sizes. In order that the said rollers may be easily removed for cleansing and washing the upper part of the frame is constructed with a hinged cap or device that opens up so that one end of each roller is freed, and the rollers can be removed from the frame and replaced with little trouble. The cap is hinged at one end and latched with a pin or other device at the other.

To enable others to understand my invention, I will describe the same with reference to the drawing, in which—

A represents the tub in which the worker is placed; B, the frame in which the rollers are inserted and fastened to a tub; *c c*, the rollers; D, the hinged cap on said frame; E, the neck on said frame; and F, the cross-bar on said frame.

The operation is as follows: The frame and rollers being inserted and fastened to a tub, the butter is thrown into the tub, and while turning the crank with one hand the butter is fed up to the rollers with the other, using a paddle; and the same operation is continued until the butter is sufficiently worked and mixed and the milk worked out. The salt can also be worked into the butter by the same operation.

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination of the frame B, vertical rollers *c c*, hinged cap D, cross-bar F, and neck E, substantially as specified.

In testimony whereof I have hereto subscribed my name October 5, 1871.

EDWARD L. WALKER.

Witnesses:

D. M. HALL,
G. M. WALKER.