W. JOHNSTON.

BUTTER-WORKER.

No. 192,372. Patented June 26, 1877.

FIG. I

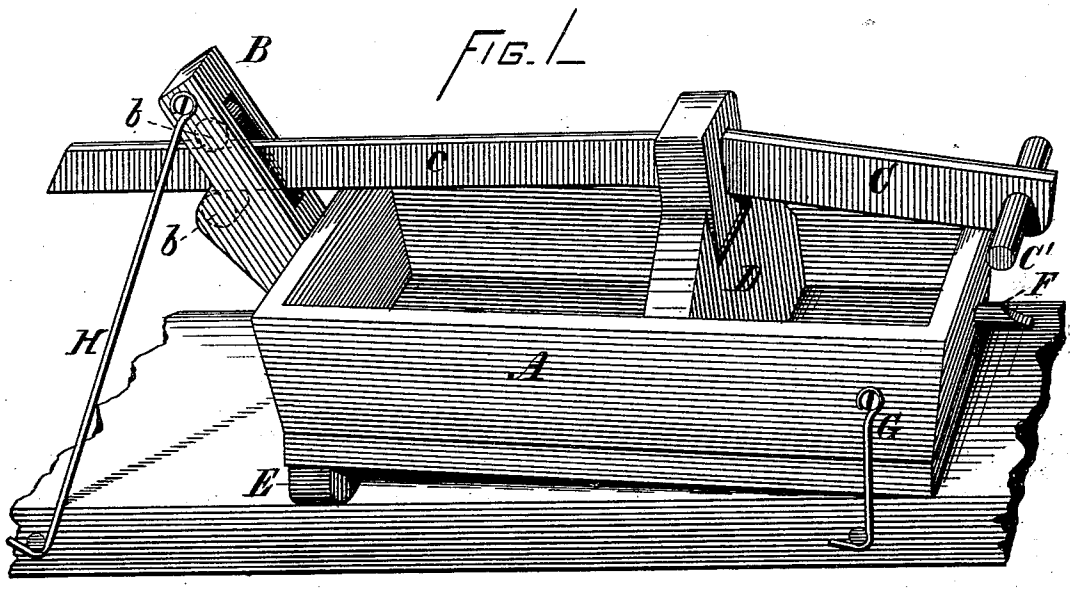
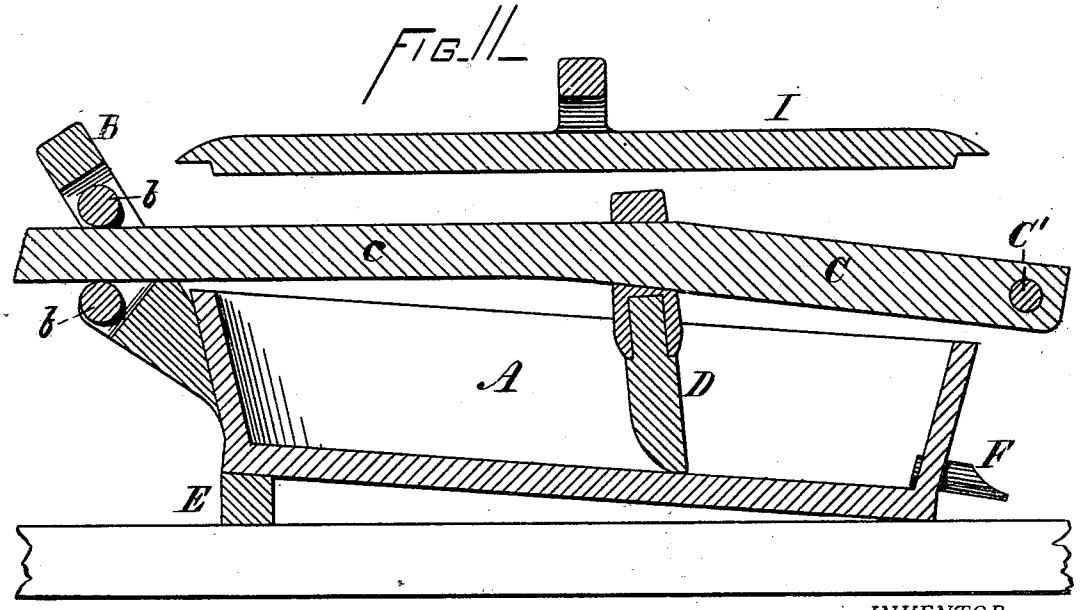


FIG. II



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIS JOHNSTON, OF WATERLOO, IOWA.

IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. **192,372**, dated June 26, 1877; application filed May 17, 1877.

To all whom it may concern:

Be it known that I, WILLIS JOHNSTON, of Waterloo, Black Hawk county, Iowa, have invented a new and useful Improvement in Butter-Workers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the drawings, forming part of this specification.

My invention relates to butter-workers for household use; and has for its object a cheap, durable, and easily-constructed apparatus for such purpose; to which end it consists as hereinafter set forth.

Figure 1 of the accompanying drawing is a perspective view of my improvement, and Fig. 2 a longitudinal sectional elevation of the same.

Similar letters of reference indicate corresponding parts wherever used.

A is the trough, the sides of which are flared outward, as shown. B is a standard, slotted in the direction of its length, and provided with friction-rollers *b b*, the whole so constructed as to receive and support in its throw the long end *c* of the reciprocating lever C. The lever C is carried or angled in such manner that, when in place through its socket in the ladle, the hands of the operator do not come into contact with the end of the trough. C′ is the lever-handle. D is the ladle, provided with a slotted head or socket, *d*, through which the lever C passes, and in which it jams to retain the ladle in place on the same. The working-face of the ladle is angled, as shown in Fig. 2. E is a foot attached to one end of the trough, and extending its entire width to give a proper inclination to the trough to allow the milk or water to drain through the spigot F. G G are clutches adapted to take into suitable eyes or the edge of a table to retain the trough rigidly in position on the table. H is an auxiliary clutch secured to the standard B for a similar purpose. I is a cover for the trough when the ladle and lever-handle are removed.

Such being the construction of my apparatus, it is operated by reciprocating the lever through the standard by means of its handle, the ladle being raised from the bottom of the trough in the backward movement of the lever, the friction-rollers in the standard supporting and easing the lever in its throw.

It is obvious that this form of apparatus renders its operation easy and rapid, and an effective and thorough working of the butter possible.

The form and arrangement of parts are simple, and adapted to a thorough and ready cleansing of the same.

It is further of such construction as to be readily taken apart and economically packed when not in use.

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

1. The flaring trough A, provided with the slotted roller-standard B, in combination with the reciprocating lever-handle C and ladle D, substantially as shown and described.

2. The arrangment of the flaring trough A, provided with a foot, E, and clutches G G and H, slotted roller-standard B, the angled lever C, and ladle D, the whole forming a butter-worker, substantially as shown and described.

WILLIS JOHNSTON.

Witnesses:
LEWIS LICHTY,
L. C. CHOSE.