



Witnesses:

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UNITED STATES PATENT OFFICE.

AMOS WESTCOTT, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 52,919, dated February 27, 1866.

To all whom it may concern:

Be it known that I, AMOS WESTCOTT, of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Churns; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is an end elevation, and Fig. 2 is a side elevation of my improvement.

The same letters refer to identical parts.

A is a box, of any convenient form and size. To the bottom of this box is attached a common bellows, B. This bellows I attach to a board or frame, H, which slides into grooves, or by other equivalent means, H', immediately below the box.

The bellows has an induction-valve through which the air is received into the bellows, and a similar valve opening outward in the induction-pipe, preventing the return of air from the pipe into the bellows. This valve opens into a chamber in the sliding board H, which communicates through the pipe G, through which the air may be conducted into any part of the box A that may be desired.

The bellows is operated by means of the rod M, attached to the lower and movable board of the bellows. I bend this rod at its upper extremity to hook onto the eccentric-wheel

L, which is eccentrically attached to shaft of the spur-wheel K, which is actuated by hand-crank or in any other convenient manner. For this device a cam acting upon a bent lever may be substituted, and I do not wish to be confined to the precise mode of effecting the connection here set forth.

The periphery of the wheel K is arranged with cogs which work into a pinion, o, upon the shaft to which the beaters or dashers of the churn are attached. These beaters may be of any of the known forms. Instead of the gearing described the wheels K and O may be pulleys connected by a belt.

Having explained the construction of my improved mode of attaching and operating a bellows and churn, what I claim as my invention, and seek to secure by Letters Patent, is—

1. The combination of the bellows B with the rod M, eccentric L, driving-wheel K, and pinion O, attached to the shaft of the churn, substantially as and for the purpose set forth.

2. The arrangement of the bellows B with the sliding board H, when the latter is attached, chambered, and connected with the body of the churn, substantially as set forth.

AMOS WESTCOTT.

Witnesses:

S. M. NASH,
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