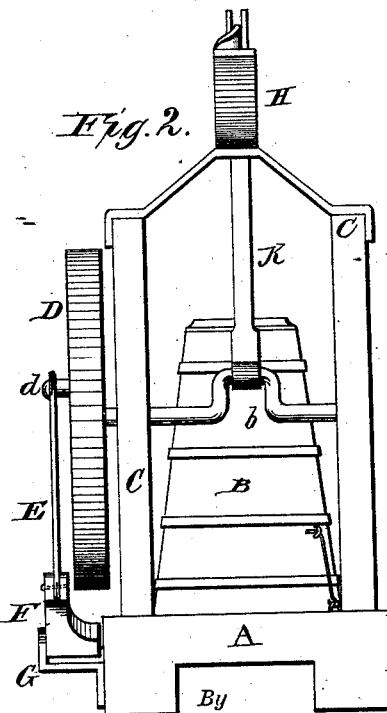
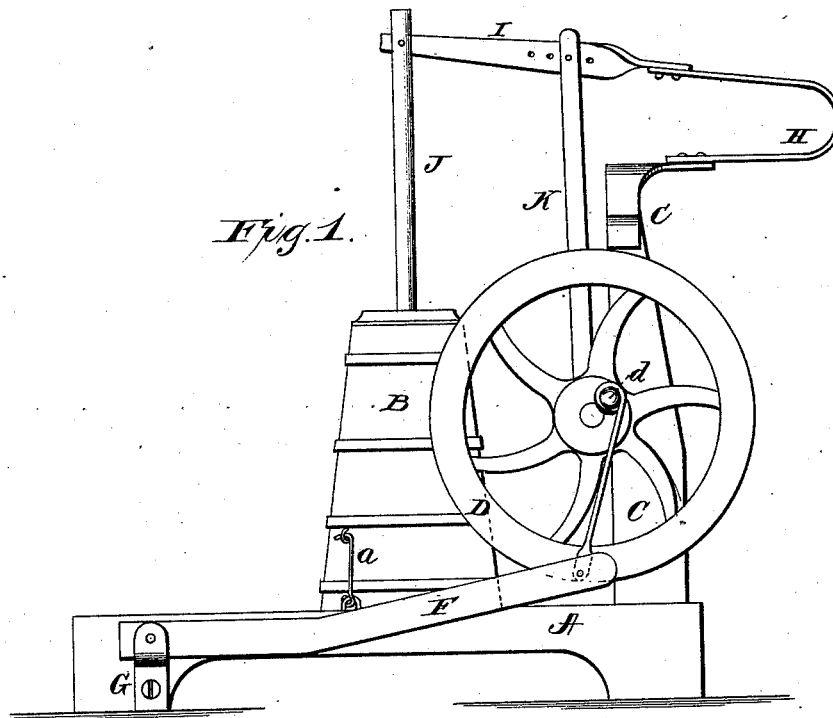


D. SCHWEIKHARD.
Churn.

No. 216,578.

Patented June 17, 1879.



WITNESSES
A. L. Curand
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INVENTOR
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UNITED STATES PATENT OFFICE

DANIEL SCHWEIKHARD, OF LEROY, MICHIGAN.

IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. **216,578**, dated June 17, 1879; application filed February 25, 1879.

To all whom it may concern:

Be it known that I, DANIEL SCHWEIKHARD, of Leroy, in the county of Calhoun, and in the State of Michigan, have invented certain new and useful Improvements in Churns; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in a combination of devices for operating a vertically-reciprocating dasher of a churn, 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 drawings, in which—

Figure 1 is side elevation, and Fig. 2 a rear view, of my invention.

A represents the bed or platform, on which the churn B is secured and held by hooks *a a*. At one end of the bed A is a suitable framework, C, in which is placed a crank-shaft, *b*, having a balance-wheel, D, secured upon one end. On this balance-wheel is a wrist-pin, *d*, connected by a pitman, E, with a treadle, F, pivoted in a step, G, at the side of the bed A.

On top of the frame C is secured a U-shaped spring, H, to the upper end of which is at-

tached an arm, I, and to the end of this arm the dasher rod or handle J is attached.

From the crank of the shaft *b* a pitman, K, also connects with said arm I, the point of connection between said pitman and arm being adjustable out and in on the arm to regulate the length of stroke of the dasher, and also regulate the tension of the spring. By this mechanism for operating the dasher no lifting whatever is necessary, the work being performed by the spring and balance-wheel combined, and the operator can work either by the treadle or by the rod—that is, either by foot or hand.

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

The combination of the U-shaped spring H, with perforated arm I, the dasher-rod J, the adjustable pitman K, crank-shaft *b*, and balance-wheel D with pitman E and treadle F, 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 February, 1879.

DANIEL SCHWEIKHARD.

Witnesses:

MARTIN METCALF,
F. M. METCALF.