F. Bosom,

Churn.

No. 102,758. Patented May 10. 1870.

Figure 1.

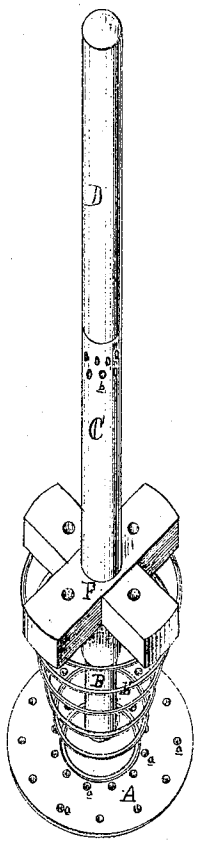
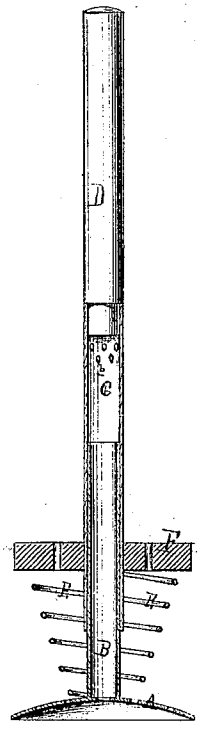


Figure 2.



Witnesses:
James Thierry
H. B. Sprague

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FRANCIS BOSOM, OF JONESVILLE, MICHIGAN, ASSIGNOR TO HIMSELF AND W. A. WRIGHT, OF SAME PLACE.

Letters Patent No. 102,758, *dated May* 10, 1870.

IMPROVEMENT IN CHURN-DASHERS.

The Schedule referred to in these Letters Patent and making part of the same

To whom it may concern:

Be it known that I, FRANCIS BOSOM, of Jonesville, in the county of Hillsdale and State of Michigan, have invented a new and useful Improvement in Churn-Dashers; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The nature of this invention relates to an improved construction of a churn-dasher, and is especially designed to be an improvement upon the churn-dasher upon which Letters Patent were issued to me on the 28th day of December, 1869.

The invention consists in reversing the spiral conical spring, adding to the top thereof a gathering dasher, and in the new and novel arrangement of its various parts, as more fully hereinafter described.

Figure 1 is a perspective view of my improvement.

Figure 2 is a vertical section of the same.

Like letters refer to like parts in each figure.

In the accompanying drawings—

A represents a circular concave disk with its convex side uppermost, and provided with a series of holes, *a*.

Rigidly secured to the center of this disk is the post B.

C is a hollow standard perforated with small holes, *b*, near its upper end, into which is also inserted a proper handle, D.

To the bottom of this standard is rigidly secured a gathering-dasher, F, of the form shown, or any other suitable form, to the outer ends of the wings of which is secured the base of the conical spiral spring E.

The operation of this device is very simple and effective, and as follows:

The disk A is placed in the bottom of the churn with its concave side downward and the post B projecting upward.

The standard C, with the suspended spring E, is then inserted so that the post will pass upward through the center of said spring and enter the lower end of the hollow standard C.

Then, a reciprocating motion being given to the standard, the cream is violently agitated, the fatty matter separated from the milk, and finally gathered into a mass by the gathering dasher F, the whole operation being rapidly performed and materially assisted by the currents of air entering through the perforations in the top of the hollow standard and mingling with the cream in the churn.

What I claim as my invention, and desire to secure by Letters Patent, is—

A churn-dasher with the disk A, post B, hollow standard C, conical spiral spring E, and gathering dasher F, arranged and operating substantially as herein set forth.

FRANCIS BOSOM.

Witnesses:

H. F. EBERTS,

H. S. SPRAGUE.