(No Model.)

J. E. FINLEY.

CchurN DASHER.

No. 523,033. Patented July 17, 1894.

Fig. 1.

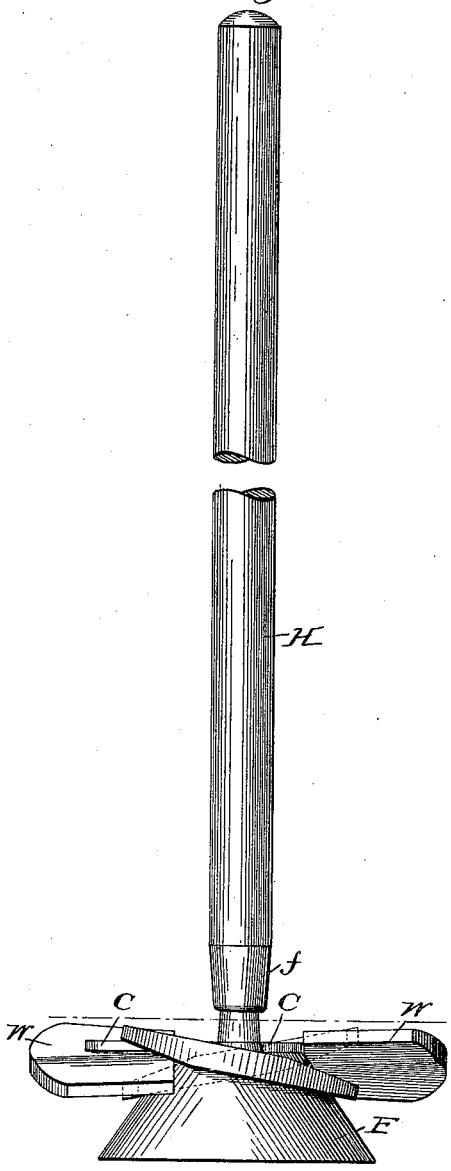


Fig. 2.

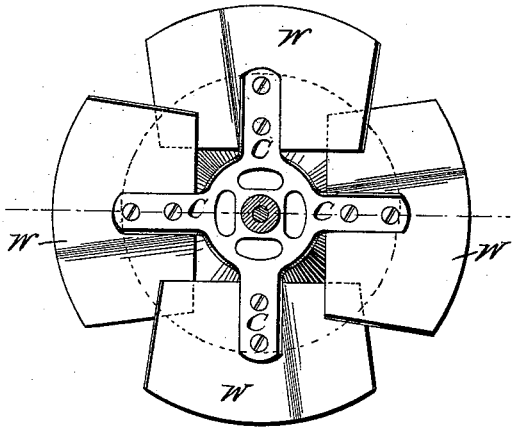
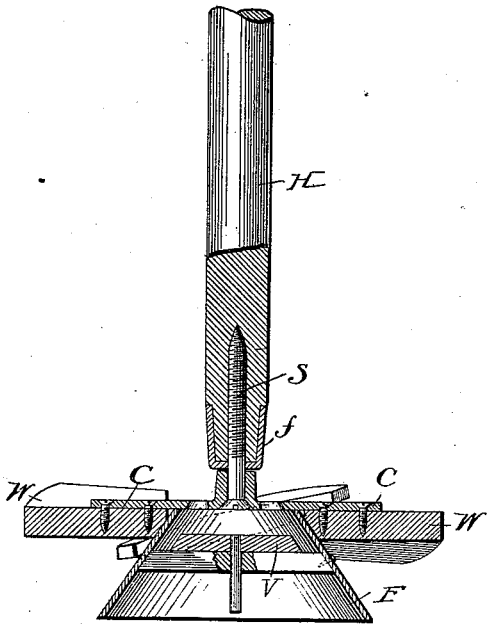


Fig. 3.



Witnesses:
C. W. Heidel
L. P. Busby

Inventor:
John E. Finley

UNITED STATES PATENT OFFICE.

JOHN E. FINLEY, OF MEMPHIS, TENNESSEE.

CHURN-DASHER.

SPECIFICATION forming part of Letters Patent No. 523,033, dated July 17, 1894.

Application filed January 2, 1894. Serial No. 495,394. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. FINLEY, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented a new and useful Improvement in Churn-Dashers, of which the following is a specification.

My invention relates to improvements in churn dashers on which a four winged propeller shaped wheel is hung loosely upon the handle or staff by means of a screw passing through the center of the dasher or wheel. To the under side of this wheel or dasher I attach a frusto-conical shaped tin making a part of the dasher. In this frusto-conical shaped tin I place a valve in such a manner as to automatically close as the dasher descends, and open as the motion of the dasher is raised, by this means carrying the air into the milk and releasing the same as the dasher is raised—while the propeller shaped dasher revolves with a rapid cutting motion breaking the globules containing the butter. I attain these objects by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the entire dasher. Fig. 2 is a view of the dasher detached from the handle. Fig. 3 is a vertical section of the entire dasher showing the construction of the entire dasher with the valve.

Similar letters refer to similar parts throughout the several views.

To the handle H I attach the casting C. C. C. C. on which are mounted the wooden wings W. W. W. W—by means of the screw S. passing through the ferrule *f* into the wood of the handle H to the under side of the casting C. C. C. C. and forming a part of the same, I attach the frusto-conical shaped tin F. containing the self operating valve V. The whole dasher being hung loosely upon the handle H. in such a manner as to allow the propeller shaped dasher to revolve and counter revolve as the dasher is operated in churning.

I am aware that revolving dashers have been made and used and that cone shaped devices have been made to carry air into the milk and I do not claim broadly a self revolving dasher, but

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

As an article of manufacture, a churn dasher comprising a handle having a perforated base portion attached thereto, having wings or blades thereon and having an open end frusto conical depending portion below and in communication with said perforations in said base portion, said frusto conical portion having a sliding valve mounted therein, said base portion and attached parts being so mounted upon the dasher rod as to be capable of rotation, substantially as described.

JOHN E. FINLEY.

Witnesses:
C. W. HEIDEL,
L. P. BUSBY.