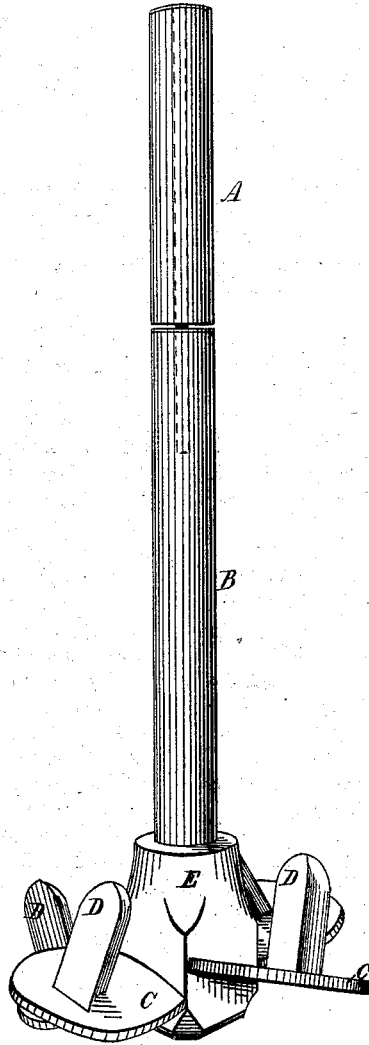


J. H. STARNES.
CHURN-DASHER.

No. 189,880.

Patented April 24, 1877.



Witnesses
Wm. D. Robinson
Jas. A. Reynolds

Inventor
Jas. H. Starnes.

UNITED STATES PATENT OFFICE.

JOHN H. STARNES, OF ASHEVILLE, N. C., ASSIGNOR OF ONE-HALF HIS
RIGHT TO JAS. M. MCENTIRE AND W. N. OWNBEY, OF SAME PLACE.

IMPROVEMENT IN CHURN-DASHERS.

Specification forming part of Letters Patent No. 189,880, dated April 24, 1877; application filed
March 7, 1877.

To all whom it may concern:

Be it known that I, JOHN H. STARNES, of Asheville, Buncombe county, and State of North Carolina, have invented a new and useful Improvement in Churn-Dashers, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of my invention is to construct a good and durable dash that can be used in the common old fashioned round churn, and upon such principles as will add greatly to the speed and ease in churning. The dash is illustrated more fully by reference to the drawing.

The staff B, which is made of good firm wood, is small enough to pass and operate through a hole in the lid of the churn. To the staff B is attached a handle or hand-hold, A, by means of a wire or smaller piece of wood inserted and fastened in the staff B, and passing through the handle or hand-hold A, so as to allow the staff B to revolve freely. The staff B is left square, and larger at the lower part, as shown at E, to which are at-

tached the paddles C, which are set at a certain angle, or at any angle desired, which angle causes the dash to revolve when forced up and down in the milk. The angle of the paddles C also makes it much easier to force up and down through the milk, causing at the same time the dash to revolve from right to left. The grooved angular pegs D are attached to the paddles, and stir the milk as the dash revolves from right to left and from left to right.

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

1. A dasher consisting of the angular paddles and the grooved angular-shaped pegs attached to the dasher-head, substantially as and for the purpose specified.

2. In combination with the angular paddles, grooved pegs, and dasher-head, the handle or hand-hold attached to the top of the staff, substantially as described.

JOHN H. STARNES.

Witnesses:

WM. T. ROBERTSON,
JAS. A. REYNOLDS.