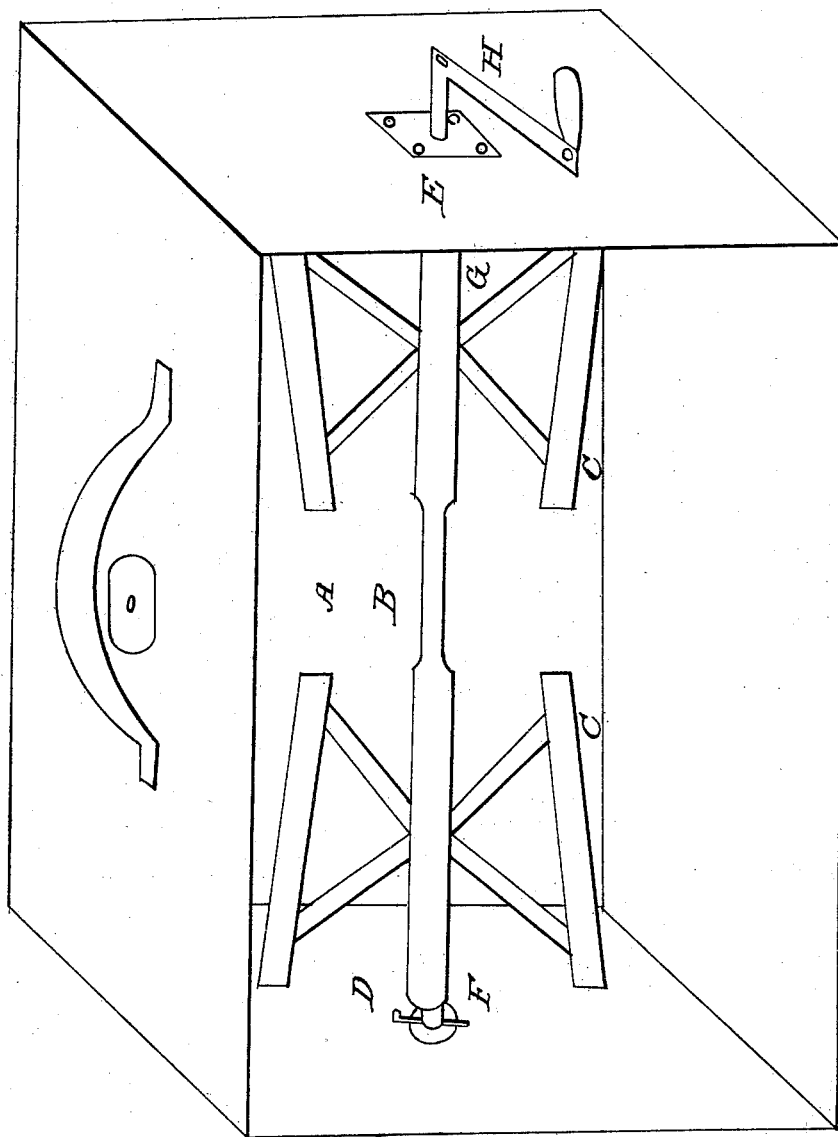


H. F. BAKER.

Churn.

No. 6,298.

Patented April 10, 1849.



UNITED STATES PATENT OFFICE.

HENRY F. BAKER, OF CENTERVILLE, INDIANA.

CHURN.

Specification of Letters Patent No. 6,298, dated April 10, 1849.

To all whom it may concern: .

Be it known that I, HENRY F. BAKER, of Centerville, in the county of Wayne and State of Indiana, have invented a new and useful Improved Churn; and I do hereby declare that the following is a full and exact description and operation of the same, reference being had to the accompanying drawings, forming a part of the specification.

Letter A is a perspective elevation of my improved churn, with one side removed for the purpose of showing the form of the double spiral float wheel. The same letter (A) of reference is used to designate the box in which the float wheels are placed.

I construct my churn by making an oblong four square box of any required size with a lid to the same. The lid has a hole in its center for the purpose of admitting air to the cream, with a tin plate full of holes, nailed to the under side of the same, in the box A is placed a revolving shaft (B) with eight arms. The arms are placed half way between the end and the center of the shaft (B) for the purpose of fastening the wings on floats (C, C,) to the wings are set at an angle of forty five degrees with the shaft (B) or less if required. The wings (C, C) are reversed at each end so as to form a double spiral float wheel. By this arrangement the cream is forced from both ends of the churn box (A) toward the center or space between the float wheel. At each end of the box (A) is screwed two small axiporte boxes (D, E) one on the outside and the other on the inside for the purpose of receiving two gudgeons (F, G). The

gudgeon F is driven into one end of the shaft (B) and works in the axiporte box (D) the axiporte box (D) has a notch in the end that is fastened to the box (A) for the purpose of receiving a reciprocating key or wedge. The gudgeon (G) passes through the box (A) and also through the axiporte box (E) where the crank (H) is attached for the purpose of propelling the same. To the other end of the gudgeon (G) are two projecting nibs that work in that end of the shaft (B) that has two notches in a cast butt for receiving the same. By this arrangement the gudgeon (F) is coupled to the shaft (B) or detached by means of the reciprocating key or wedge in the axiporte box (D).

Having thus fully described the nature of my improved churn, and shown the operation of the same I wish it to be fully understood that I do not claim either of the individual parts or devices herein described when taken separately and alone, but

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

The particular manner in which I have combined and arranged the parts so as to adapt them to the churning of cream, as set forth, that is to say, I claim the combination upon the same shaft of two spiral float wheels so arranged as to force the cream from the ends of the churn box toward the center as described and represented.

HENRY F. BAKER.

Witnesses:

JAMES T. BAKER,
JOHN WITHEROW.