

H. Tilden,
Egg-Beater,
No. 49,176, *Patented Aug. 1, 1865.*

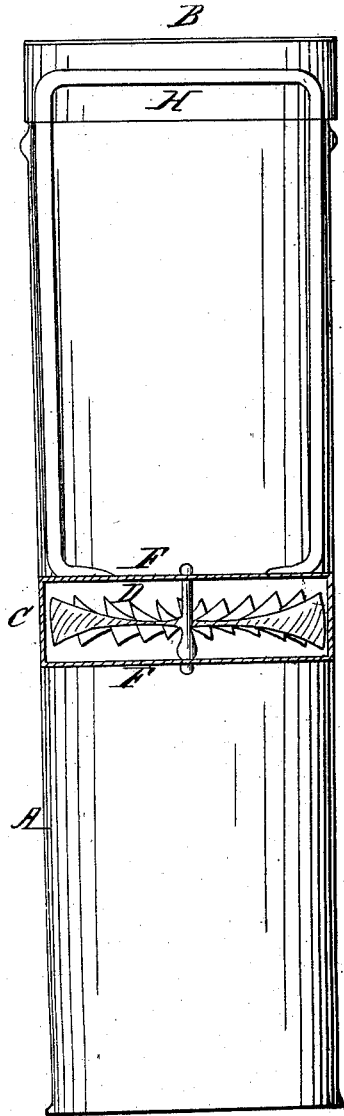


Fig 1

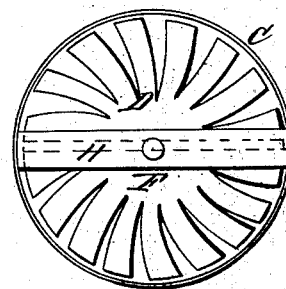


Fig 2.

Witnesses.

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UNITED STATES PATENT OFFICE.

HOWARD TILDEN, OF BOSTON, MASSACHUSETTS.

EGG-BEATER.

Specification forming part of Letters Patent No. 49,176, dated August 1, 1865.

To all whom it may concern:

Be it known that I, HOWARD TILDEN, of Boston, Suffolk county, State of Massachusetts, have invented a new and useful Utensil for Beating Eggs and Mixing Liquids and Semi-Liquids; and I do hereby declare that the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention consists in a long case or box of convenient size to be taken in the hands and shaken, and provided with a revolving wheel midway between the ends, with floats arranged diagonally to its axis, so that the wheel will be turned by the eggs or liquid in the box as it flows back and forth when the box is shaken.

In the above-mentioned drawings, Figure 1 is a section of a cylindrical case, showing the revolving wheel and its frame. Fig. 2 is a top view of the wheel and its frame separate from the case.

In these drawings, A is a cylindrical case, made of tin or other material, with a close-fitting cover, B, so that when the eggs or liquid to be mixed is put in, the cover may be put on and the case shaken violently to mix the contents. I make this case A a little smaller at one end than the other, and make the frame C of the wheel D so that it will stick or stop about midway of the case, between the ends.

The frame C consists of a short cylinder, with bars F F across each end, which bars are perfo-

rated for the axis of the wheel D to turn in. This axis should have shoulders or collars to prevent it from traversing, so that the wheel will not come in contact with the bars of the frame. The wheel D is made of a piece of stiff tin soldered to its axle and cut radially from the circumference about two-thirds of the way to the center, so as to make floats about one-fourth of an inch wide, which are twisted or bent so that their ends form an angle of about forty-five degrees with the axis, as shown in the drawings.

To remove the wheel and frame from the case, I make a handle, H, of tinned wire, and fasten it to one of the bars of the frame so that it can be seized by the fingers when the cover is removed and the wheel drawn out of the case. I contemplate that more than one wheel may be used, if desired, and that stationary wings or floats may be fastened to the frame.

The eggs to be beaten or the liquids to be mixed may be put into the case either above or below the wheel, the cover put on, and the case shaken to mix them.

I claim—

A case or box provided with a rotating wheel midway between the ends, with floats arranged diagonally to its axis, substantially as described, so that the wheel will be turned by the contents of the box as it flows from end to end when the box is shaken.

HOWARD TILDEN.

Witnesses:

F. T. CUSHING,
A. S. WHEELER.