C. H. Butterfield,

Egg-Beater,

No. 58,770. Patented Oct. 16, 1866.

Fig. 1.

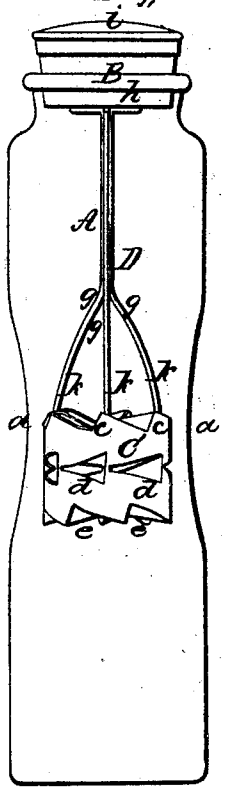


Fig. 3.

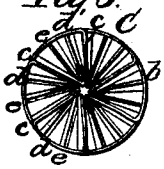
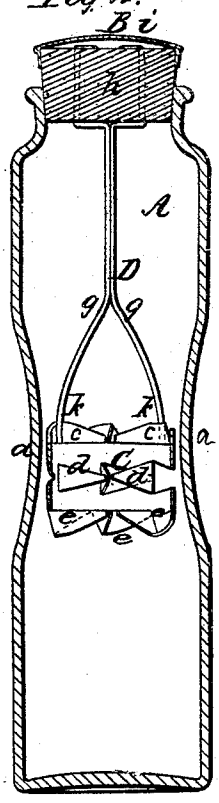


Fig. 2.



Witnesses;

George Andrews

Samuel N. Piper

Inventor;

Charles H. Butterfield.

by his attorney

R. H. Eddy

A. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES H. BUTTERFIELD, OF STURBRIDGE, MASSACHUSETTS.

IMPROVED EGG-BEATER.

Specification forming part of Letters Patent No. **58,770**, dated October 16, 1866.

To all whom it may concern:

Be it known that I, CHARLES H. BUTTERFIELD, of Sturbridge, in the county of Worcester and State of Massachusetts, have invented an Improved Egg-Beater; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 a vertical section, of it. Fig. 3 is a bottom view of the liquid rotator or agitator, to be hereinafter described.

In such drawings, A is a long glass jar or case, cylindrical in its form except at or near its middle, where it is reduced in diameter or contracted, as represented at *a a*, such reduction being for the purpose of causing the jar to have two chambers connected by a hollow neck. The jar has a mouth to receive a stopple, B, and is to be made of transparent glass for the purpose of rendering it easily cleaned and not liable to oxidation, as well as to allow the liquid parts of the eggs, while being beaten together in the jar, to be easily seen through its sides.

Within the middle of the jar I arrange the liquid rotator or agitator C, which I connect to the stopper by means of a furcated supporter, D, extended from such stopple, it being intended that such rotator C shall be stationary, as respects the stopple and the jar, while eggs are being beaten in and by such jar.

The rotator C, I construct of a cylindrical tube, *b*, cut and bent so as to have one or more series of wings or floats projecting inward from it, as shown at *c c c d d d e e e*, each wing of such series being arranged radially and obliquely relatively to the axis, as represented. In this way the fluid-rotator can be easily made of one single tube or plate of metal.

The furcated rotator I construct of three wires, *g g g*, side by side, and soldered together for some distance along their middles. Each of these wires, near its upper end, is bent twice at a right angle, so as to support and pass through the cork part *h* of the stopple. After going through the stopple the wire is to be again bent down at a right angle and upon the upper surface of the said stopple. A metallic cap, *i*, is to be next placed on the stopple, so as to make a finish thereto. The other parts, or those marked *k k k*, of the furcated supporter are curved, so as to abut against the inner periphery of the rotator, to which they are to be soldered or otherwise affixed.

In using this egg-beater, it is to be grasped at the contraction *a* by the hand of the user, and is to be moved rapidly back and forth lengthwise, so as to cause the liquid parts of the eggs previously introduced into it to pass through the stationary rotator and from one portion of the jar to the other. The rotator, while the liquid is passing through it, will impart to it a rotary motion, and aid materially in commingling or stirring together the yolk and albuminous parts of such liquid.

The contracted part of the jar is not only advantageous, as described, but is also for another purpose—viz., that of enabling the jar to be held in or grasped firmly by the hand. It also answers the purpose of contracting the mass of liquid and directing it into the rotator. It facilitates the admixture of the yolks and albumen and their impregnation with air.

The case of my egg-beater being a glass jar can be easily kept clean, and is not liable to rust or become oxidated, as is a metallic case, and being transparent will allow its contents to be seen while the beater may be in use.

I make no claim to an egg-beater composed of a case or box and a rotary wheel arranged within it midway between its ends and having floats disposed obliquely with respect to its axis, such being as described in the United States Patent No. 49,176.

I claim as my invention and as an improved manufacture—

1. The glass egg-beater jar as made with the contraction *a*, arranged at or near its middle, the same being as and for the purpose or objects as hereinbefore set forth.

2. An egg-beater as composed of the case contracted at its middle, as represented, and a liquid rotator arranged within the contraction and connected to the stopple of the case by means substantially as set forth.

C. H. BUTTERFIELD.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.