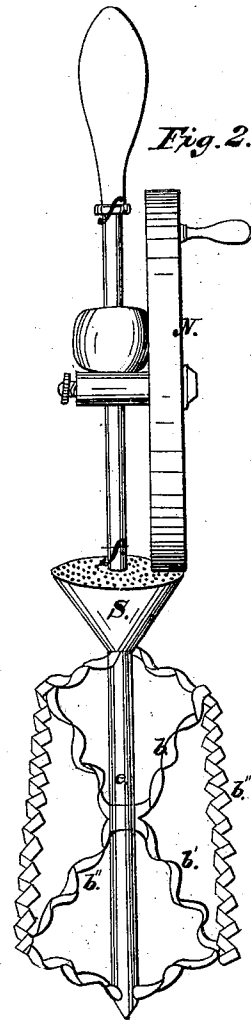
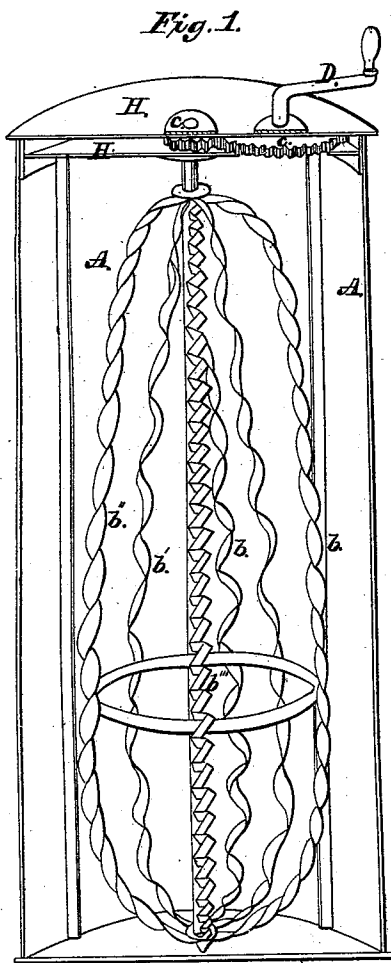


McLean & Morley,

Egg-Beater.

N^o 28,760.

Patented June 19, 1860.



Attest:

S. R. Priest
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UNITED STATES PATENT OFFICE.

J. P. McLEAN AND P. A. MORLEY, OF BROOKLYN, NEW YORK, ASSIGNORS TO P. A. MORLEY.

EGG-BEATER.

Specification of Letters Patent No. 28,760, dated June 19, 1860.

To all whom it may concern:

Be it known that we, JAMES T. McLEAN and PHILEMON A. MORLEY, of Brooklyn city, in the county of Kings, in the State of New York, have invented certain novel and useful Improvements in Apparatus for Beating Eggs; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which letters correspond with and constitute a part of the specification.

To enable those skilled in the mechanic arts to construct and operate our invention we will describe it as follows.

Figure 1, is a perspective vertical sectional view of our egg-beater placed inside of a tin or other can (A, A,) the corrugated and spiral beaters (*b, b', b'', b'''*;) fashioned from narrow strips of tin or other suitable metal, and attached to the lid of the can or vessel (A, A,) and operated by means of a large and small cogged gear (C, C') placed horizontally between the upper and lower head (H, H') of the lid of the can, thereby being concealed and supported between the double heads (H, H') and operated by the crank (D.)

Fig. 2, is a perspective drawing of a different shaped beater for bakers, &c. The corrugated and spiral arms or beaters (*b, b', b'', b'''*;) are attached to and form a part of a vertical cylinder (*e*;) which is provided with a funnel shaped top (S,) the upper surface of which is perforated like a grater for the purpose of taking hold of the flexible face of the hand wheel (N,) thereby doing away with the use of cogged wheels if required; also doing away with the application of disks or friction rollers of any kind. The cylinder (*e*;) revolves around the stationary shaft or handle (*f*;) which stationary shaft supports the driving or hand wheel (N,). The cylinder being water tight, the bearings upon the stationary handle or shaft (*f*;) may be lubricated through the perforated top without injury to the mixture in

the vessel, which is not the case with any other apparatus for beating eggs.

The novelty of the above described egg-beater is the application and arrangement of corrugated, twisted or spiral arms or beaters (*b, b', b'', b'''*;) in combination with the revolving cylinder (*e*;) operated by means of cog wheels (*c, c'*;) between the heads of the lid of the vessel Fig. 1, or by means of a flexible band of guttapercha or india rubber around the face of the hand wheel (N.) Fig. 2, thereby operating the cylinder whose head is analogous to the rough surface of a nutmeg grater, thereby capable of taking hold of the rubber surface with great force and free from noise.

The superiority of our arrangement of egg beaters over those that are in common use, is that by means of twisted or corrugated strips of metal the gelatin mass is beaten by the flat surfaces as well as being broken or cut by the sharp edges thereof, hence the action is analogous to the motion produced by the hand and spoon, whereas an ordinary wire beater simply passes through the egg like the rudder of a boat, leaving a simple wake behind it without producing an immediate fomentation as is the case with our beater, hence we are enabled to beat an egg in one quarter of the time employed by other beaters if properly constructed.

Having thus fully described our invention what we claim as new and useful and desire to secure by Letters Patent of the United States, is—

The arrangement and use of corrugated or twisted beaters (*b, b', b'', b'''*;) in combination with the cylinder (*e*;) and operated in the manner and for the purpose set forth and shown in the drawings at Figs. 1 and 2.

In testimony whereof we hereunto subscribe our names in the presence of two witnesses.

JAMES P. McLEAN.
PHILEMON A. MORLEY.

Witnesses:

I. R. H. PRIEST,
G. S. GILLCHREST.