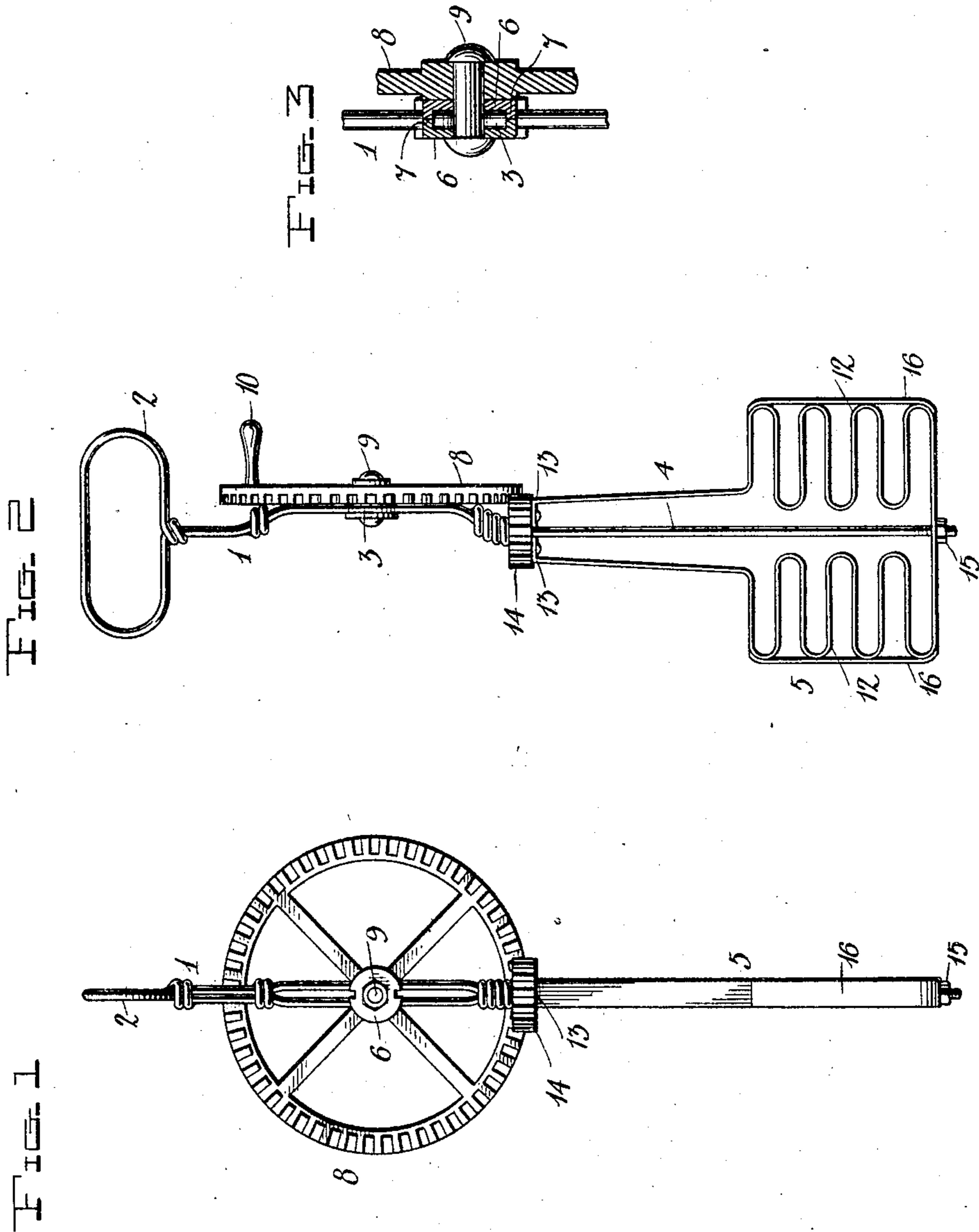


No. 832,052.

PATENTED OCT. 2, 1906.

A. FRITZ.
EGG BEATER.
APPLICATION FILED JAN. 11, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR FRITZ, OF CANASTOTA, NEW YORK.

EGG-BEATER.

No. 832,052.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ARTHUR FRITZ, a citizen of the United States, residing at Canastota, in the county of Madison and State of New York, have invented certain new and useful Improvements in Egg-Beaters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in egg-beaters.

The object of the invention is to provide an egg-beater having a frame formed of a single piece of wire rod bent into suitable form to support the whip and operating mechanism.

A further object is to provide an egg-beater which will be simple, strong, and durable in construction, efficient in operation, and well adapted to the purpose for which it is designed.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of an egg-beater constructed in accordance with the invention. Fig. 2 is an edge view of the same; and Fig. 3 is a detail sectional view through a portion of the device, showing the manner in which the drive-wheel is mounted in the frame.

Referring more particularly to the drawings, 1 denotes the supporting-frame of the beater, said frame consisting of a single wire rod bent to form a looped-shaped handle 2, a drive-wheel support or bearing 3, and a support or bearing 4 for the whip 5.

Arranged on each side of the wire drive-wheel bearing 3 are apertured bearing-plates 6, said plates having formed on their inner sides inwardly-projecting lugs 7, adapted to enter between the wires of the bearing 3, thereby holding said plates in place. Journalled in the plates 6 and wire bearings 3 is a driving-gear 8, said gear being provided with a centrally-disposed stud-shaft which is preferably in the form of a bolt or rivet 9, which is adapted to be passed through the apertured plates 6 and the wire bearing 3 and to be upset or headed on the outer side of one of the plates 6, as shown. The gear 8 is

provided with a crank-handle, whereby the same may be operated. Revolvably mounted on the bearing 4 of the frame is the whip 5, said whip being preferably formed of a single strip of flat metal of suitable width. This metal strip is bent to form a doubled row of vertically-disposed loops 12, arranged one above the other in the same plane, as shown. The ends of the strip are then bent upwardly and inwardly, as shown at 13, said inwardly-bent ends being secured to the lower side of a gear-pinion 14, which is adapted to mesh with the teeth of the drive-gear 8, whereby when said drive-gear is operated the whip will be revolved. The whip 5 is supported on the bearing-rod 4 by means of a nut or other suitable fastening 15. The outer ends of the loops 12 are connected by vertically-disposed strips or bars 16, which will support and hold said loops in position and which also serve to draw the egg, and thereby more efficiently beat the same.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined by the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An egg-beater consisting of a frame formed of a single piece of wire bent to form a handle and a drive-wheel bearing, apertured bearing-plates arranged on each side of the wire bearing of said frame, securing-lugs formed on the inner sides of said plates to enter between the wires of the frame, a driving-gear journaled in said plates and frame, a whip revolvably mounted on the lower end of the frame, said whip consisting of a single strip of flat metal bent to form a double row of loops, and means whereby said whip is connected to and operated by said drive-gear, substantially as described.

2. An egg-beater consisting of a frame formed of a single piece of wire bent to form a handle and a drive-wheel bearing, apertured bearing-plates arranged on each side of the wire bearing of said frame, securing-lugs

formed on the inner sides of said plates to enter between the wires of the frame, a driving-gear journaled in said plates and frame, a whip revolubly mounted on the lower end of
5 the frame, said whip consisting of a single strip of flat metal bent to form a double row of loops, vertically-disposed strips to connect the outer ends of the loops, a nut to hold said whip in place, and a pinion secured to the up-

per end of the same to engage said driving-gear, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARTHUR FRITZ.

Witnesses:

ALBERT FRITZ,
STEPHEN M. WEAVER.