

No. 896,919.

PATENTED AUG. 25, 1908.

W. C. KAMERRER.

EGG BEATER.

APPLICATION FILED APR. 22, 1908.

2 SHEETS—SHEET 1.

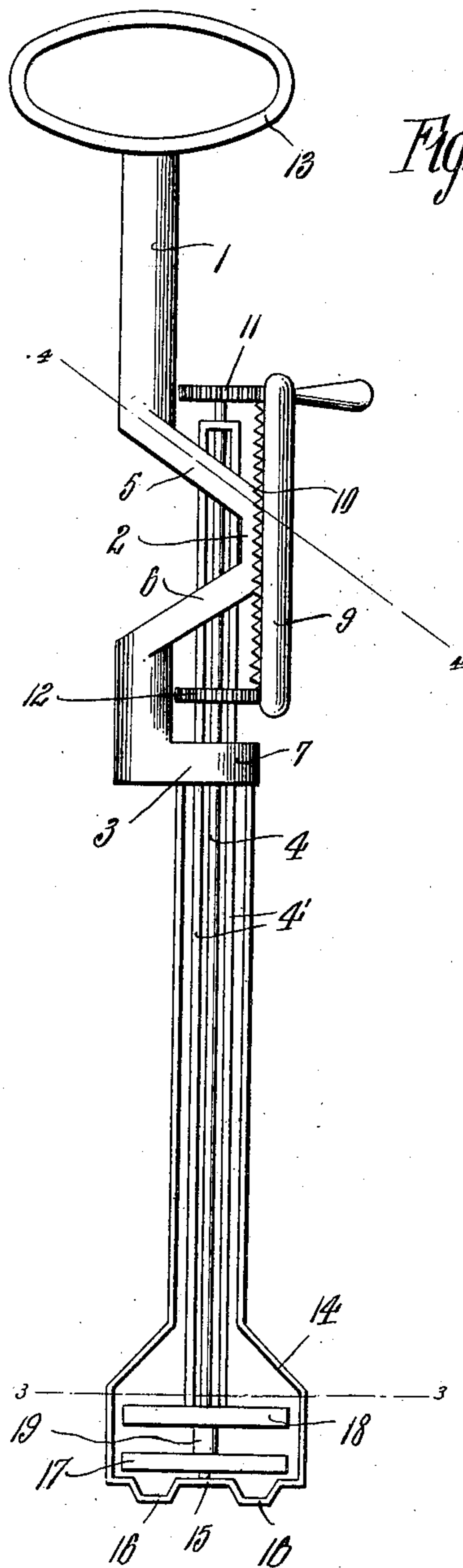


Fig. 1.

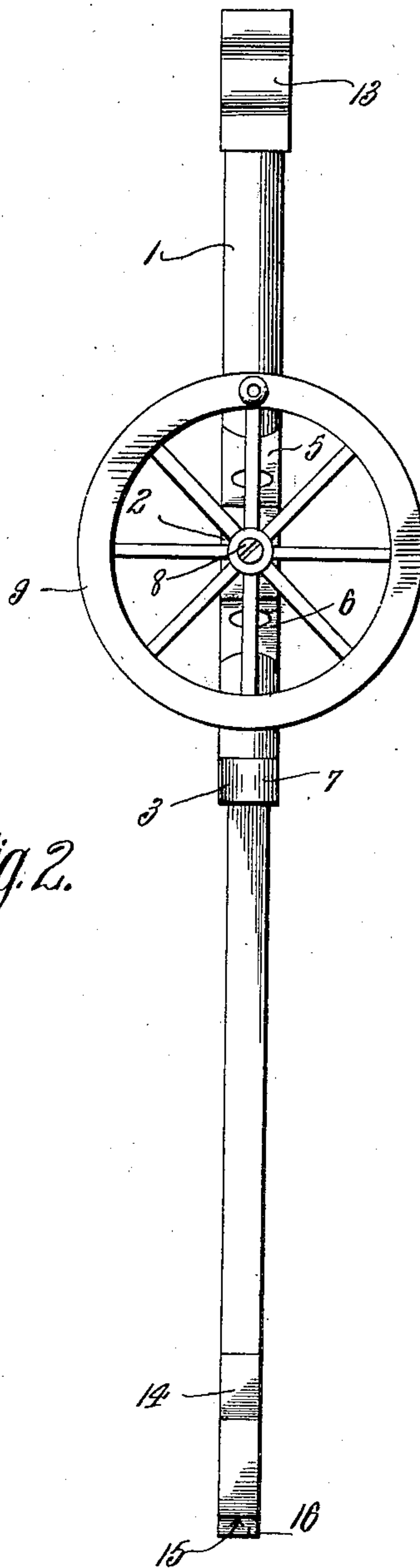


Fig. 2.

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2 SHEETS—SHEET 2.

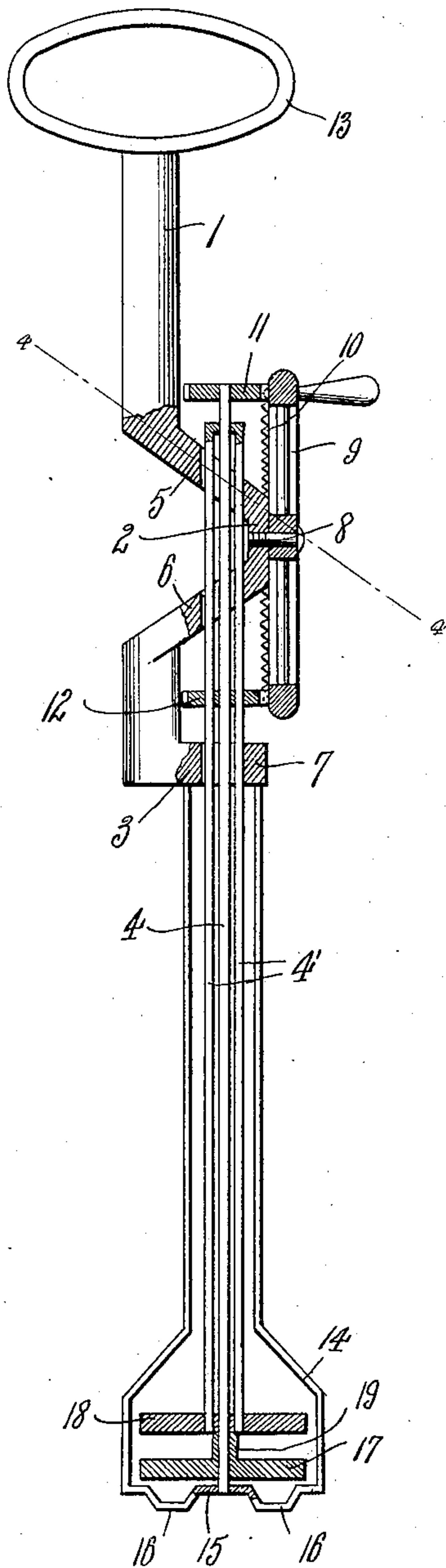


Fig. 5.

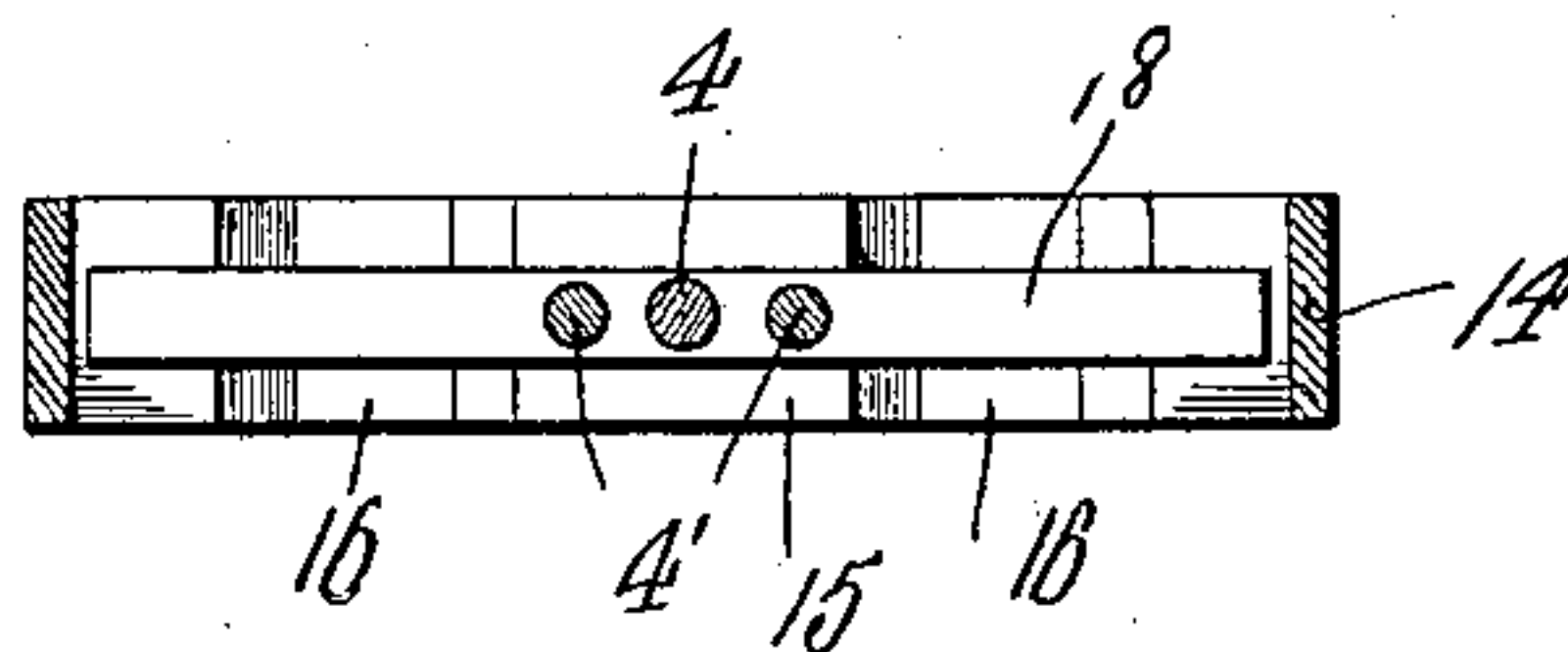


Fig. 3.

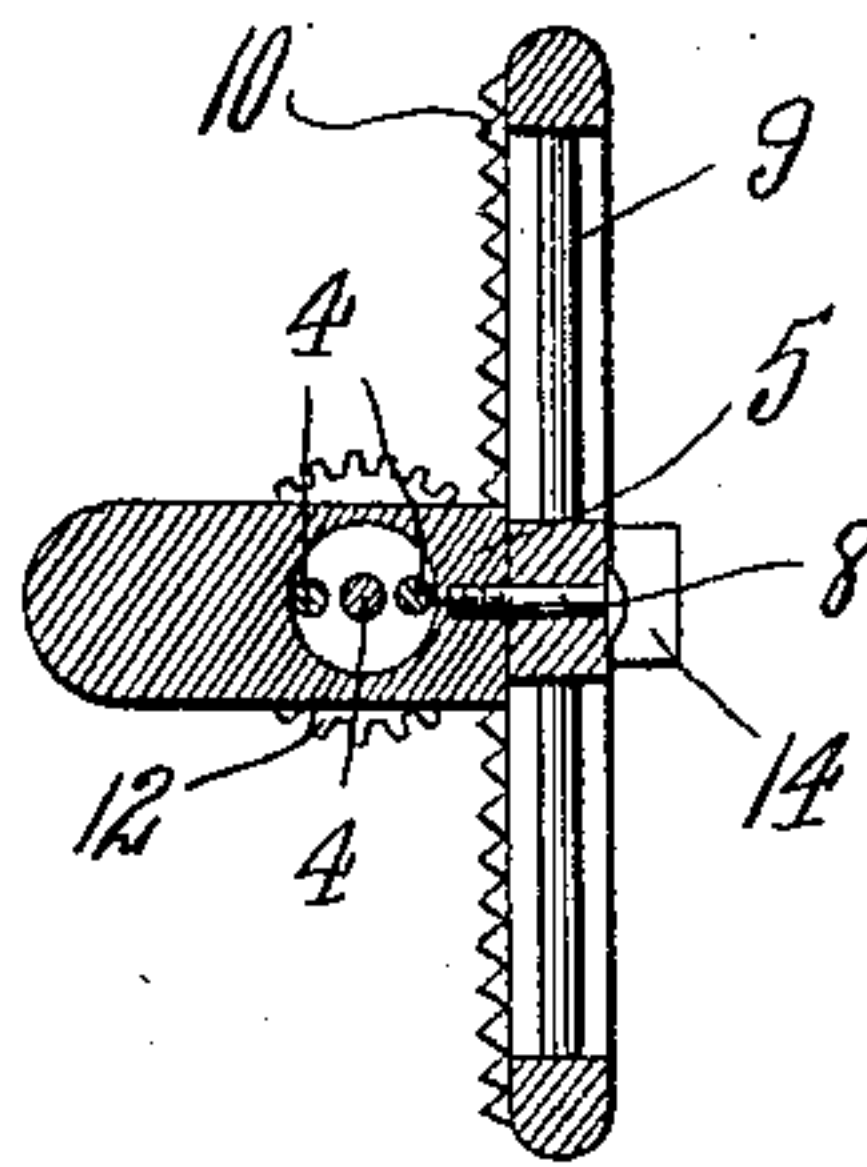


Fig. 4.

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UNITED STATES PATENT OFFICE

WILLIAM C. KAMERRER, OF PULLMAN, WASHINGTON.

EGG-BEATER.

No. 896,919.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed April 22, 1908. Serial No. 428,545.

To all whom it may concern:

Be it known that I, WILLIAM C. KAMERRER, a citizen of the United States, residing at Pullman, in the county of Whitman, State of Washington, have invented certain new and useful Improvements in Egg-Beaters; and I do hereby 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 has relation to implements employed for beating eggs, whipping cream, or aerating liquids or semi-liquids, in which whippers or beaters in duplicate are employed that are adapted to be immersed in the substance to be operated upon and are adapted to be turned in opposite directions.

It is the object of the invention to provide improvements that will simplify and strengthen the construction and in general enhance its utility and serviceability.

The invention consists of an improved implement embodying a novel construction and arrangement of parts as is hereinafter shown, described and claimed.

The drawings hereunto annexed and forming a part of this specification represent the improved implement in the best form that has been designed for its use, though it is recognized that it may be mechanically changed in form and arrangement without departing from its general spirit and efficiency.

Of the said drawings, Figure 1 is a side elevation of the implement, Fig. 2 is a front view of the same, and, Fig. 3 is a sectional plan of the whipper frame and whippers taken in the plane 3—3 of Fig. 1. Fig. 4 is a section on line 4—4 of Fig. 1. Fig. 5 is a longitudinal section through the construction.

Similar characters of reference designate the same parts or features wherever they occur.

In the drawings, 1 designates the main frame or rod, offset at a point intermediate of its ends as at 2, and having a right-angular lower end 3, which construction affords a vertical support for the inner and outer whipper shafts 4 and 4' which have three bearings therein. This is material since it

gives steadiness to the said shafts and consequently the entire structure in its operation. The said three bearings are designated by the numerals 5, 6 and 7. The offset in the shaft 1 moreover affords a horizontal bearing for the journal pin 8 of the crank wheel 9 that is provided on its inner side with gear teeth 10 that engage the pinion 11 on the upper end of the inner shaft 4 and a similar pinion 12 on the outer shaft 4', just above the angular extension 3 of the main rod or frame 1 which is provided on its upper end with a handle 13 to steady and maintain the implement in position. At its lower end the frame is provided with a skeleton cage 14, the bottom 15 of which affords a step bearing for the inner shaft 4, the said bottom being provided with feet or projections 16 which keep the said step bearing from coming into contact with the vessel that may contain the substance acted upon.

17 designates the whipper on the lower portion of the inner shaft and 18 the whipper secured to the lower end of the outer shaft, both within the cage 14, and revolved, as will be understood, in opposite directions, by the crank gear 9 which engages the pinions 11 and 12.

19 is a washer on the inner shaft which maintains the whipper in spaced relationship as shown. The whippers may be of common or any special construction adapted to perform the work to be done.

By the construction and arrangement of parts specified the shafts that operate the whippers are given ample bearing so that the implement may be operated with a steady constant motion, obviating the jerky effects that have heretofore been experienced and that are detrimental and objectional. Other advantages are obtained that are obvious to those skilled in the art.

What is claimed, is:—

1. An egg-beater comprising a vertical main frame offset intermediate of its ends and having its lower end turned at a right angle, combined with the beater-shafts having bearings in the offset of the frame and its angular end, whereby said shafts are given three separate supports in the said frame.

2. An egg-beater comprising a vertical main frame offset intermediate of its ends

and having its lower end turned at a right angle, combined with the beater shafts having bearings in the offset of the frame and its angular end, the crank gear having its journal pin secured in said offset, and pinions
5 secured on the shafts with which the crank gear engages.

In testimony whereof, I affix my signature, in presence of witnesses.

WILLIAM C. KAMERRER.

Witnesses:

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C. G. CAMPBELL,
J. C. KAMERRER