

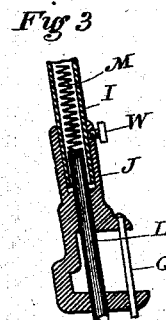
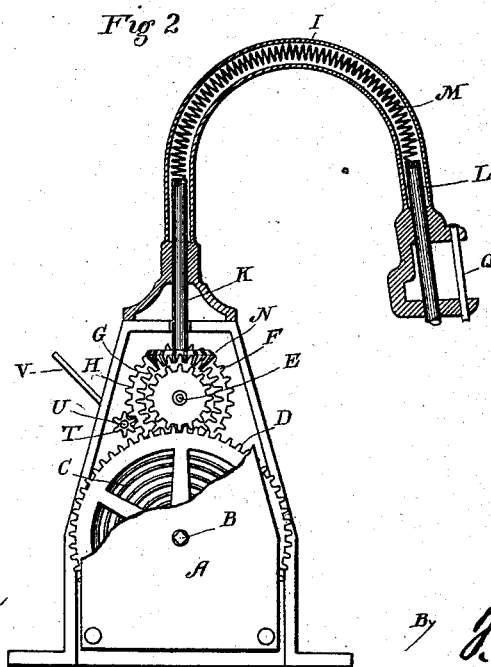
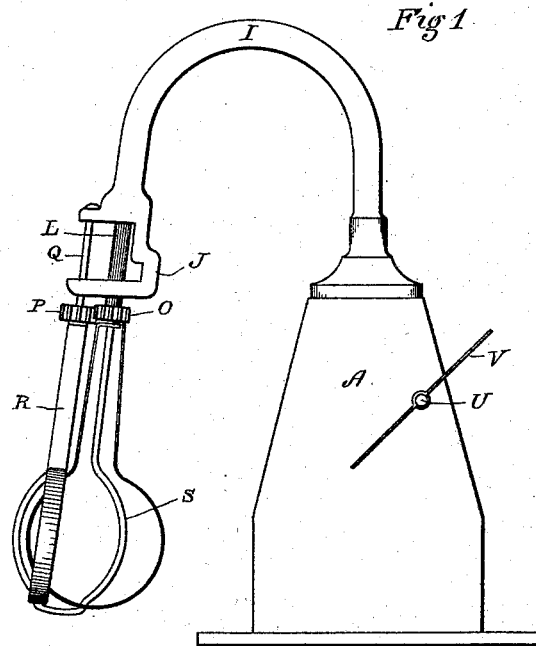
(No Model.)

M. F. BISHOP.

MEANS FOR OPERATING EGG BEATERS.

No. 384,674.

Patented June 19, 1888.



Witnesses
S. Williamson
H. E. Foss.

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UNITED STATES PATENT OFFICE.

MARY F. BISHOP, OF BRIDGEPORT, CONNECTICUT.

MEANS FOR OPERATING EGG-BEATERS.

SPECIFICATION forming part of Letters Patent No. 384,674, dated June 19, 1888.

Application filed February 21, 1888. Serial No. 264,726. (No model.)

To all whom it may concern:

Be it known that I, MARY F. BISHOP, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Means for Operating 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.

My invention has reference to certain new and useful improvements in means for operating egg-beaters, and has for its object to provide a device of this description whereby a great number of eggs may be beaten simultaneously, while at the same time the operation of beating is accomplished automatically and in a very short space of time.

With these ends in view my invention consists in certain details of construction and combination of parts, such as will be hereinafter fully set forth, and then specifically designated by the claim.

In the accompanying drawings, Figure 1 is an elevation of my improvement; Fig. 2, a similar view with the neck and casing sectioned and partly broken away, the beaters being removed; and Fig. 3, a detail sectional view of the head, showing a modified construction, whereby the normal horizontal plane of the beaters may be varied.

Similar letters denote like parts in the several figures of the drawings.

A is a casing, within which is journaled a shaft, B. On this shaft are secured a main-spring, C, and primary cog-wheel D, in precisely the same manner as in the ordinary clock-work. Immediately above this cog and spring is journaled a short shaft, E, and rigidly secured on this shaft are gears F, G, and H. The wheel F meshes with the cog D, whereby motion is imparted to the shaft E.

I is a neck which is secured on top of the casing, and is arched, so that its head J extends in practically a vertical plane.

Extending within the base and head, respectively, of said neck are shafts K L, which are connected by a coil-spring, M. On the lower extremity of the shaft K is a beveled gear, N, which meshes with the gear G. The

shaft L has a cog-wheel, O, on the lower end, which meshes with a similar cog, P, secured on the end of a short shaft, Q, journaled in the head J. To these cogs are secured the ordinary double beaters, R S.

T is a small cog-wheel meshing with the wheel H and secured on the short shaft U. This shaft projects without the casing, and has secured at the outer extremity thereof a governor, V, the function of which will be presently explained.

The operation of my improvement is as follows: The spring is wound on the shaft B by means of any suitable key adapted to revolve the latter in the manner common to all clocks. The resiliency of the spring will rapidly revolve this shaft B backward, and thereby communicate motion to the beaters through the medium of the shafts K L, spring M, and gears D, F, G, and N. The governor V serves to steady the movement of the cogs, and may be utilized also as a check to stop the rotation of the beaters at any desired time. In order to regulate the horizontal plane of the beaters for the accommodation of vessels of different heights or depths, I purpose to make the head J separate from the neck and connect the two at various adjustments by means of a binding-screw, W, as shown at Fig. 3.

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

The combination of the shaft L, having rigidly mounted thereon the cog O, the cog P, rigid on the short shaft Q, journaled in the head J, the arched neck I, connecting said head and casing A, the shaft K, extending from the casing within the said neck, the coil-spring connecting the shafts L K, the beveled gear N, mounted on the lower end of the shaft K, the cog-wheels H F, secured on the short shaft E, journaled within the casing, the power-transmitting cog D, and spring C, substantially as and for the purposes set forth.

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

MARY F. BISHOP.

Witnesses:

S. S. WILLIAMSON,
S. H. HUBBARD.