

# D. M. Swartz. Egg Beater.

108203

PATENTED OCT 11 1870

Fig. 1.

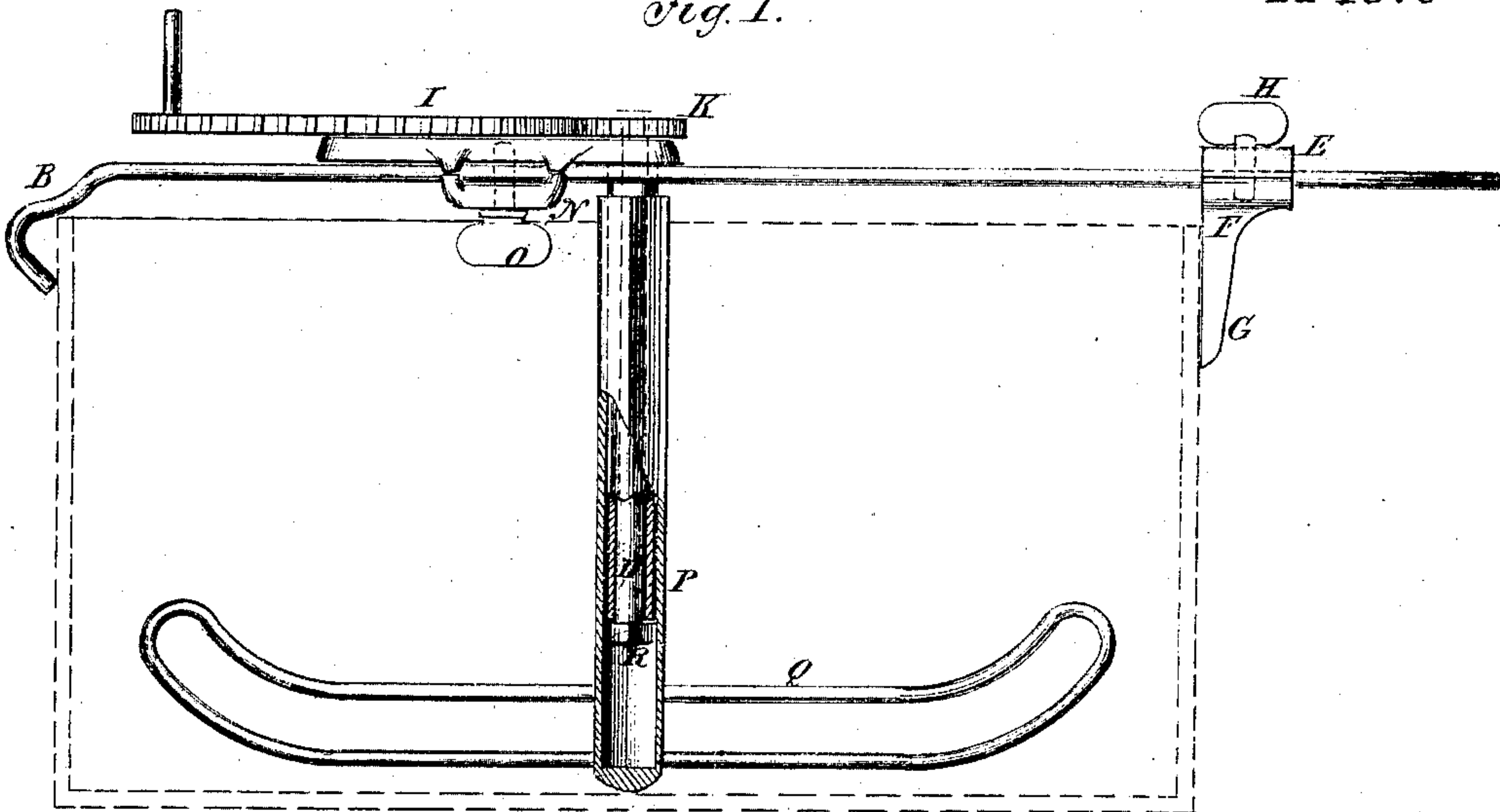
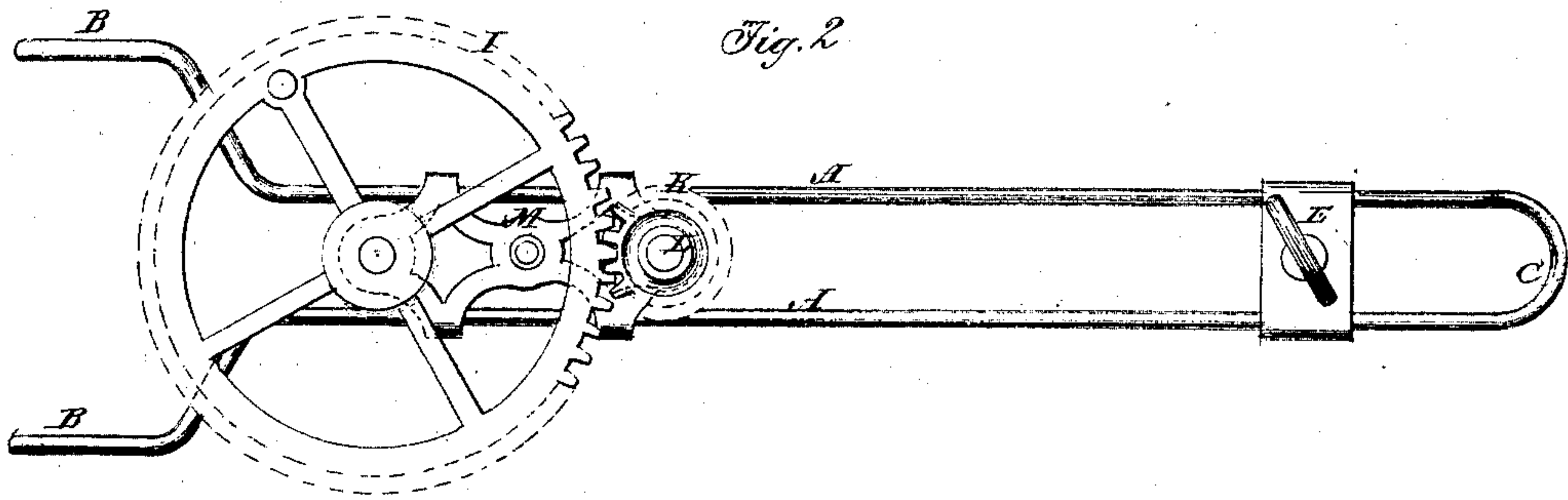


Fig. 2.



Witnesses:

*John Beecher*  
*W. S. Mabie*

Inventor:

*D. M. Swartz*

PER

*Wm. H.*

Attorneys.

# United States Patent Office.

DANIEL M. SWARTZ, OF LEWISBURG, PENNSYLVANIA.

Letters Patent No. 108,203, dated October 11, 1870.

## IMPROVEMENT IN EGG-BEATERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, DANIEL M. SWARTZ, of Lewisburg, in the county of Union and State of Pennsylvania, have invented a new and useful Improvement in Egg-Beaters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention has for its object improvement in egg-beaters, and consists in an adjustable plate, for supporting the operating parts, in combination with a clamping device for attaching the apparatus to vessels of different sizes, and also in a beater-shaft, combined with arms, attached to a tubular extension of said shaft.

Figure 1 is a sectional elevation of a vessel with my improved beater attached, and showing the shaft of the latter partly sectioned.

Figure 2 is a plan view of the beater.

The support for the operating parts consists of a long wire or cast metal or other rod, A, bent double, and arranged for the most part so as to constitute two parallel guides for the frame of the said operating parts.

The end of each is bent outward and downward, to hook under or against the upper edge of the vessel, as shown at B, and near the bend C, where the wire is doubled, is a clamp, consisting of a cap, E, at the top, and a plate, F, below, both having semicircular grooves in the faces coming together for the reception of the rod A, and the plate F, having brackets G, is clamped to the said rods by a screw, H, in such a way that the said clamp may be moved up snugly against the side of the vessel at the top, opposite the hooks B, and constitute, together with them, three points of attachment, which will prevent the support from moving off the top laterally.

The driving-wheel I, the pinion K, and spindle L

are mounted on a plate, M, fitted with grooves or grooved projections on the under side, for reception of the rod A, to slide back and forth thereon, and be clamped to them at any point by the clamping-plate M and screw O, so that the spindle, to which the beaters are connected, may be adjusted to the required point on the frame, to be brought to the center of the vessel.

The beaters Q are attached to a hollow square or other angular-shaped tube, P, which is connected to the spindle L by slipping snugly over the square end R thereof, for lengthening and shortening the distance of the beaters from the operating devices for vessels of different depths.

The lower end of the tube P will rest on the bottom of the vessel, and is pointed for that purpose.

The square end R of the spindle imparts the rotary motion to the beaters.

I do not limit myself to the arrangement, here shown, for the extensible connection of the beater-support with the spindle L, but propose to make use of any suitable arrangement.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The arms Q, tube P, and spindle L, provided with the square end R, all constructed and arranged as shown and described.

2. The supporting plate M, in combination with the wheels and spindles, and fitted to the support A for adjustment thereon, and to be clamped thereto, substantially as specified.

3. The improved egg-beater, formed of the support A B E F, plate M, wheel I, pinion K, spindle L, tube P, and arms Q, all constructed and arranged to operate as specified.

D. M. SWARTZ.

Witnesses:

S. H. BOWER,  
E. A. STARK.