

(No Model.)

T. W. BROWN.

EGG BEATER.

No. 322,250.

Patented July 14, 1885.

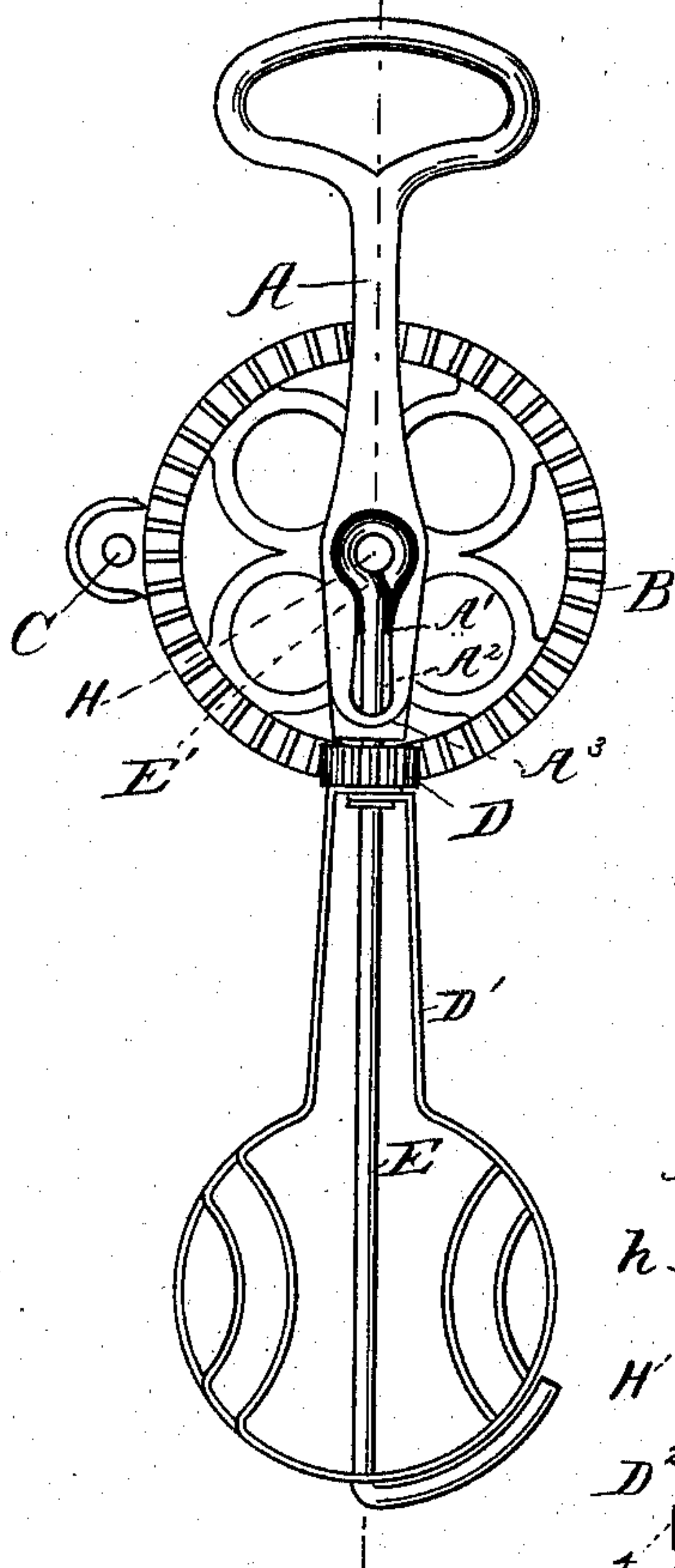


Fig. 1.

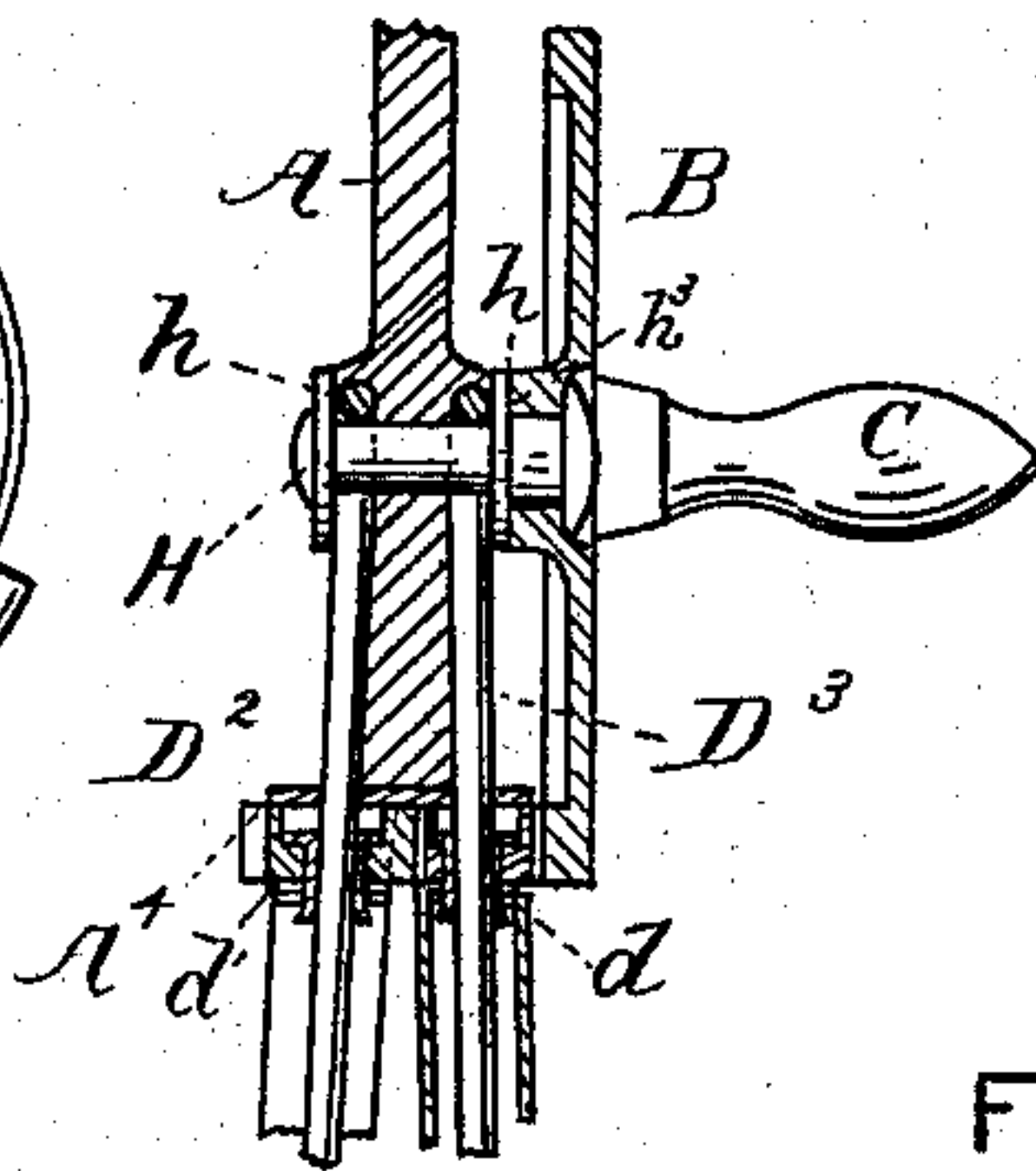


Fig. 5.

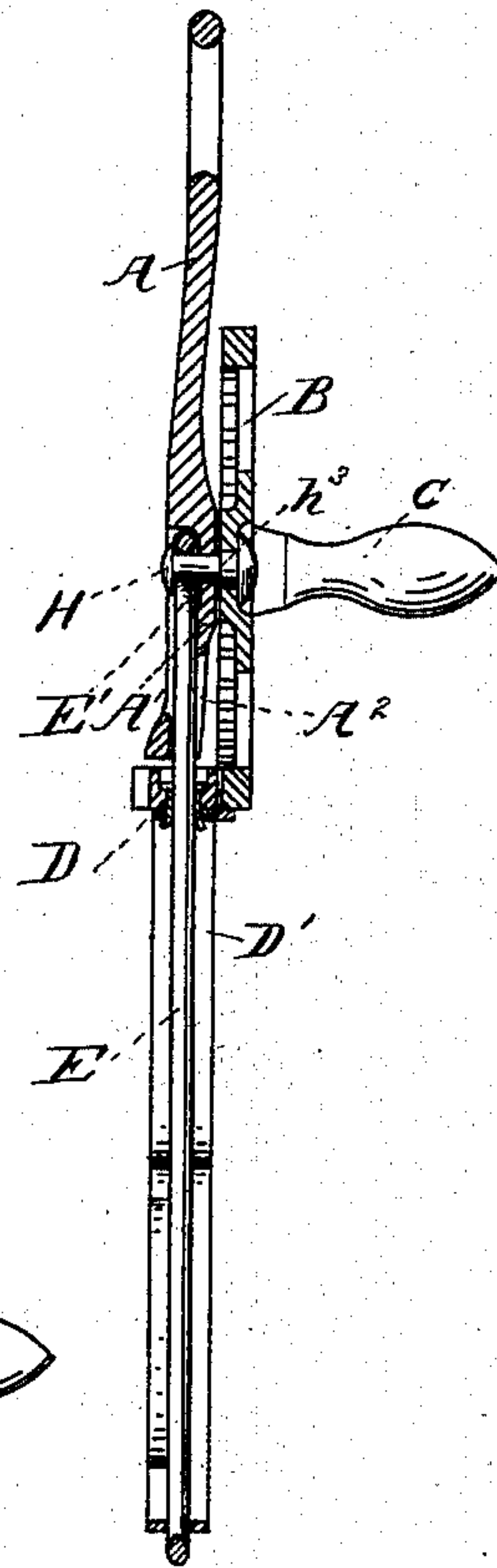


Fig. 2.

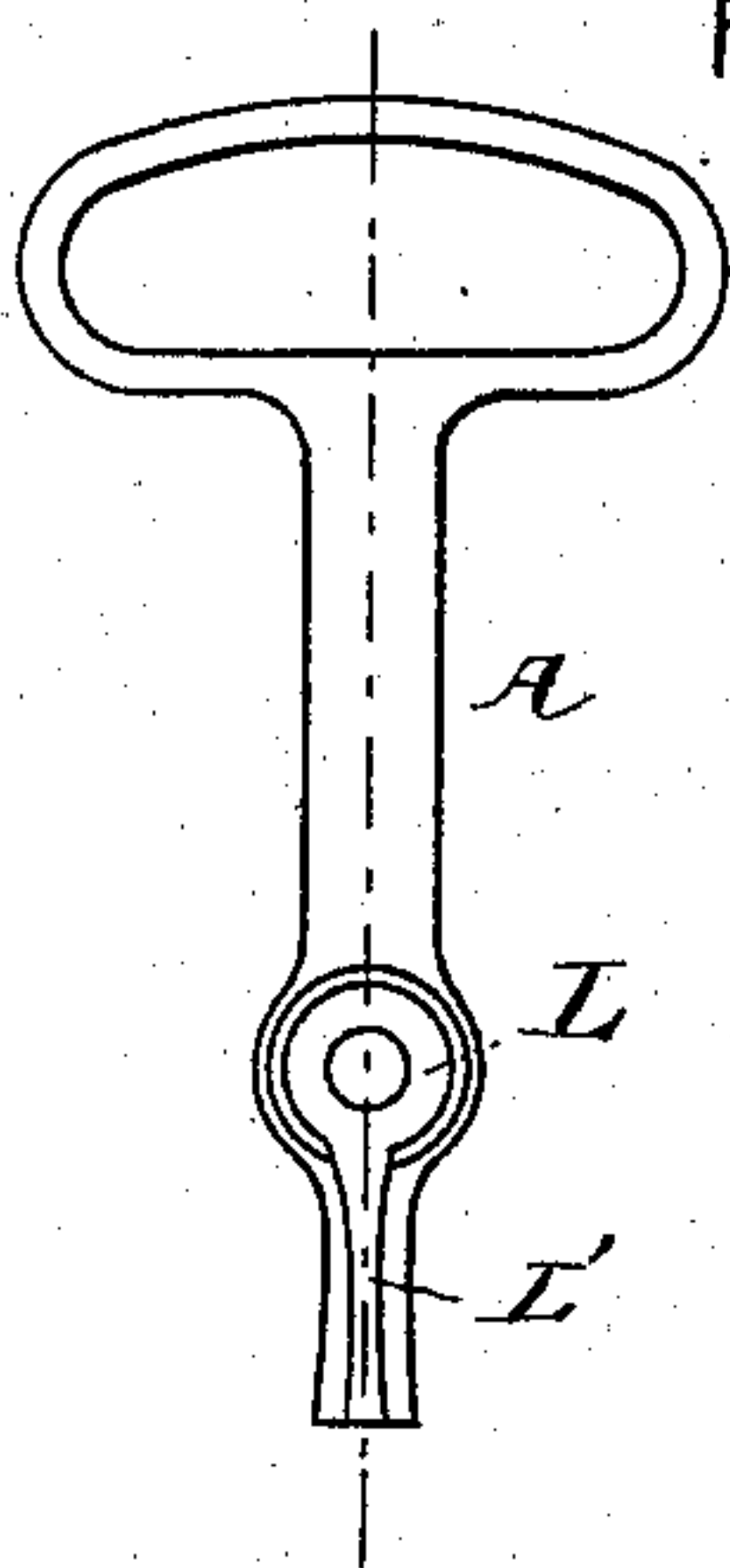


Fig. 3.

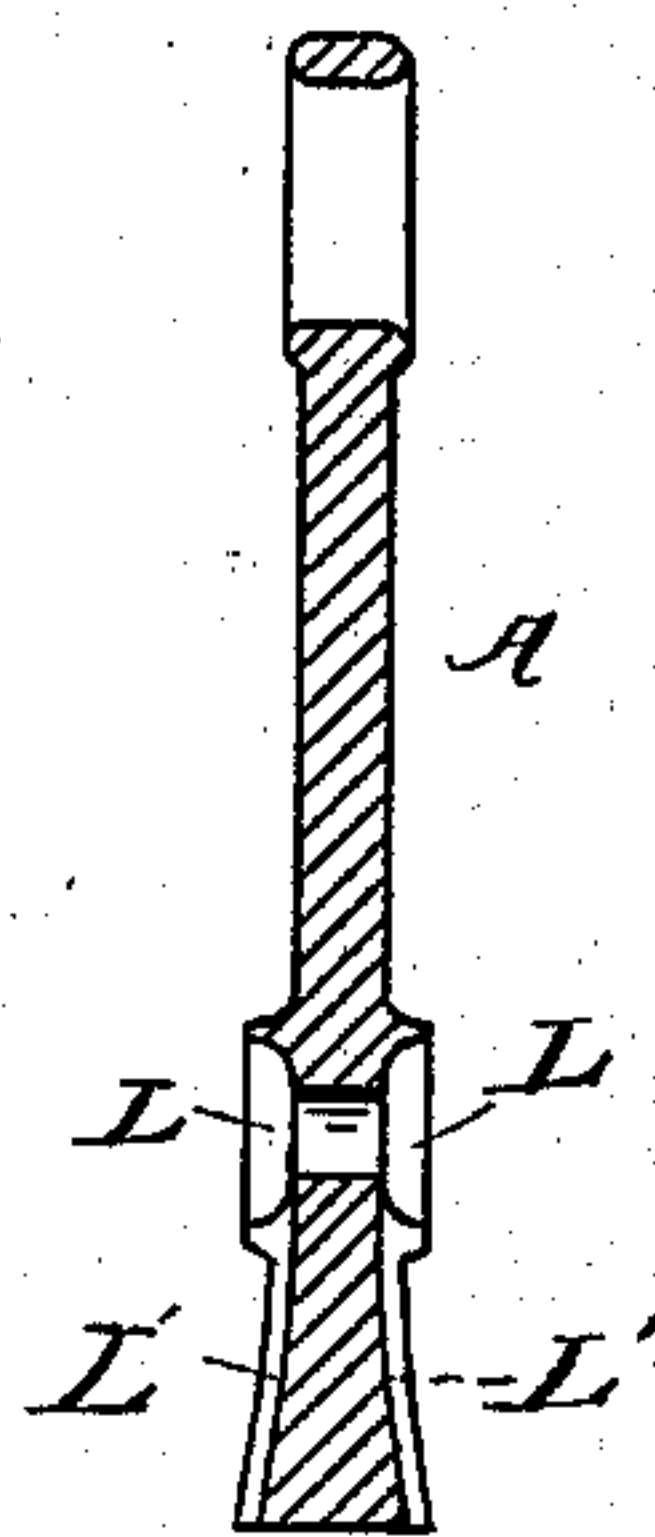


Fig. 4.

INVENTOR

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WITNESSES

S. Hewson,  
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# UNITED STATES PATENT OFFICE.

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## EGG-BEATER.

SPECIFICATION forming part of Letters Patent No. 322,250, dated July 14, 1885.

Application filed March 28, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS W. BROWN, a citizen of the United States, residing at Belmont, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Egg-Beaters, of which the following is a specification.

My invention relates to that class of egg-beaters in which one or more beaters mounted upon vertical axes are made to revolve by a crank and gears, the object being to so improve the construction that the cost of manufacture may be very much reduced; and to this end I have so constructed the parts that the only hand-labor required, except that of molding, is greatly assisted by and almost supplanted by machinery. This object I attain by the mechanism shown in the accompanying drawings, in which—

Figure 1 is an elevation of my invention. Fig. 2 is a cross vertical section of the same. Figs. 3 and 4 show a modified handle to be used in case two beaters are employed, and Fig. 5 is a vertical section showing the method of attaching the various parts to the handle.

In the drawings, A represents the handle of the egg-beater, made of cast metal, and is formed with a recess, A', Figs. 1 and 2, an opening, A<sup>2</sup>, and a bridge-piece, A<sup>3</sup>. The object of making the handle A with these features is twofold—that is, I obtain a socket for the axis-wire E that will, in connection with a single rivet, H, hold the same firmly in place.

B is a gear-wheel having a handle, C, by

which it is turned. This gear-wheel B engages with the pinion D, connected to the beater D', and thus causes the said beater D' to revolve.

The rivet H, Figs. 1 and 2, serves to hold the wheel B, the handle A, and the axis-wire E securely in place.

In case two beaters are required, I use the form of handle shown in Figs. 3, 4, and 5—that is, the handle A is cast with two recesses, L L' L L'—and instead of the bridge A<sup>3</sup>, I use a plate of metal, A<sup>4</sup>, Fig. 5, which serves to connect and hold the two axis-wires D<sup>2</sup> D<sup>3</sup>, Fig. 5. In this modified form I have two pinions, d d', Fig. 5, which engage with each other, and are driven by the action of the gear B on the pinion d.

h h, Fig. 5, are washers, placed as shown, so as to make better bearings for rivet H.

The rivet shown at H, Figs. 2 and 3, is provided with a shoulder, h<sup>3</sup>, which prevents its head from binding on the wheel B, and thus creating too much friction.

I claim—

In an egg-beater, the combination of the handle A, provided with a recess, A', the rivet H, and axis-wire E, with the gears B D and the beater D', all operating together substantially as described, and for the purpose set forth.

THOMAS W. BROWN.

Witnesses:

S. HEWSON,

WILLIAM EDSON.