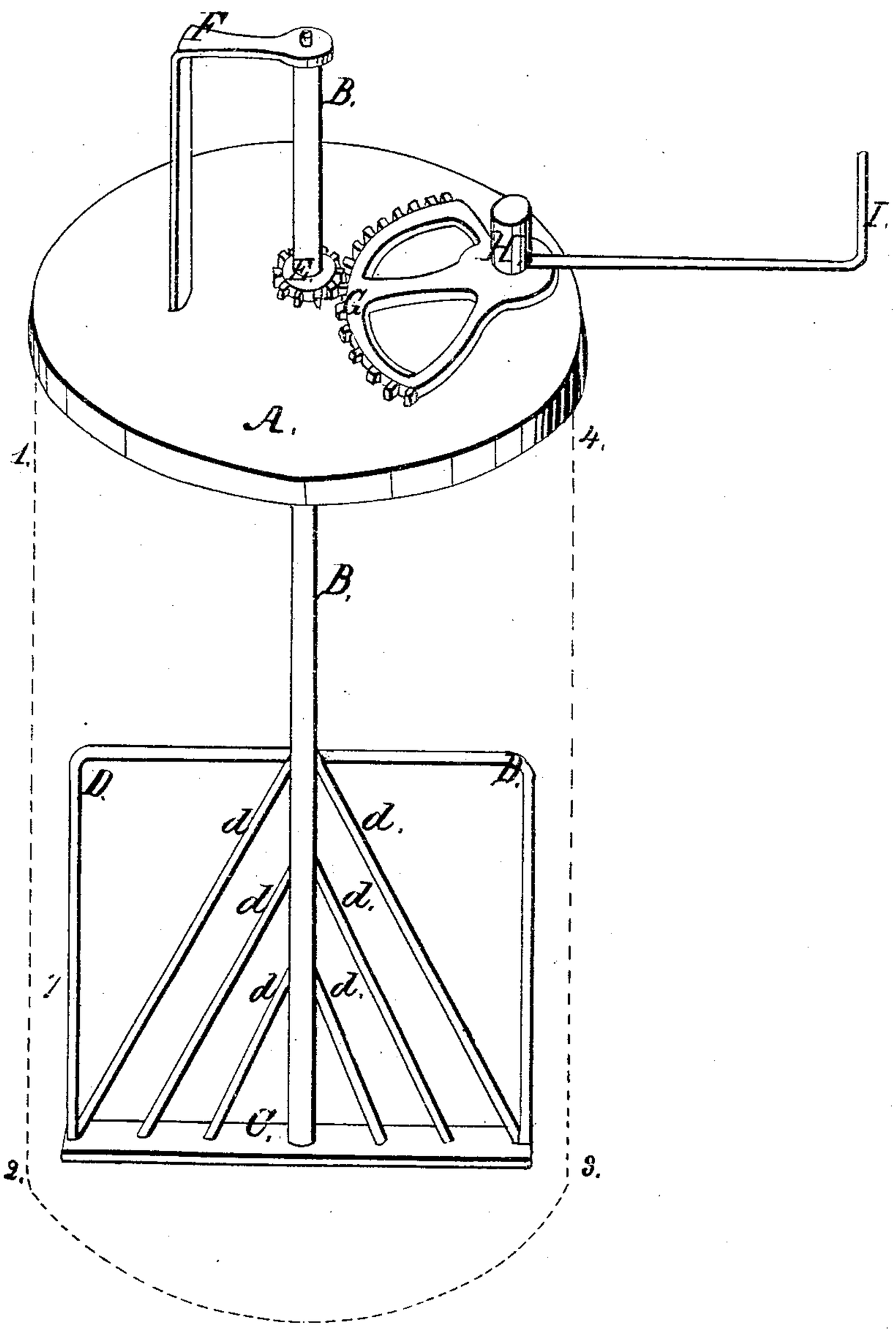
P. Mihan,

Egg-Beater,

No. 19,738, Patented Mar. 23, 1858.



UNITED STATES PATENT OFFICE.

P. MIHAN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO P. MIHAN & G. DAVIS, OF SAME PLACE.

EGG-BEATER.

Specification of Letters Patent No. 19,738, dated March 23, 1858.

To all whom it may concern:

Be it known that I, PATRICK MIHAN, of Boston, in the county of Suffolk and Commonwealth of Massachusetts, 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 of the construction and operation of the same, reference being had to the accompanying drawing, forming a part of these specifications.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

The drawing represents a perspective view of the machine, in which—

A is a circular plate of tin or other suitable material, the edge of which is turned down at right angles with the surface, so as to give sufficient stiffness to the plate, and also render it better adapted for resting on the top of the vessel in which the eggs are to be beaten. The diameter of this plate is about four inches, but may, of course, be greater or less, if desired.

B is a tinned wire about three sixteenths of an inch in diameter and six inches in length, passing through a hole in the center of the plate A. To the lower part of B are soldered a metallic foot-piece, C, and wires, D and *d*, as seen in the figure.

E is a pinion fast to the wire shaft, B.

F is a strip of metal bent as seen in the drawing,—the lower extremity being soldered to the plate A, while the upper, is furnished with a hole to receive the end of B, which is made smaller so as to form a shoulder. The design of F is to prevent the shaft from moving laterally, or up and down.

G is the sector of a larger pinion, engaging with E, and turning freely on the axle, H, which is confined to the plate, A, in any obvious and suitable manner.

I is a handle made of wire and soldered to G, as seen in the drawing.

The dotted lines, 1, 2, 3, 4, represent the vessel (tin, earthern, or whatever it may be) into which the eggs to be beaten, are broken. It may be of such dimensions that the plate, A, will just fit on it, like the cover of a pail, the piece C coming close to its bottom, and the wires, D D, close to its side:—or any vessel—such as a quart-pot, tumbler, or mug—may be used at pleasure, the operator holding the plate, A, in one hand and vibrating the handle I, with the other.

As the sector pinion, G, is so much larger than E, it is obvious that by vibrating the handle, I, a little distance, a rapid motion will be given to the shaft, B; and that by means of the beaters, D, *d*, striking the egg so rapidly first in one direction and then in the opposite, the whole mass will be completely cut and beaten, in a comparatively trifling period of time. It is also evident that the machine is useful for mixing, and stirring, liquids of any kind; and that, when sufficiently large, it will work excellently well as a churn.

What I claim as my invention, and desire to secure by Letters Patent, is—

The beating apparatus constructed and operating substantially as described, in combination with the portable plate, or cover, A, so that it may be either held in the operator's hand, or placed on the top of a vessel.

PATRICK MIHAN.

Witnesses:

GEO. H. SMITH,

N. AMES.