

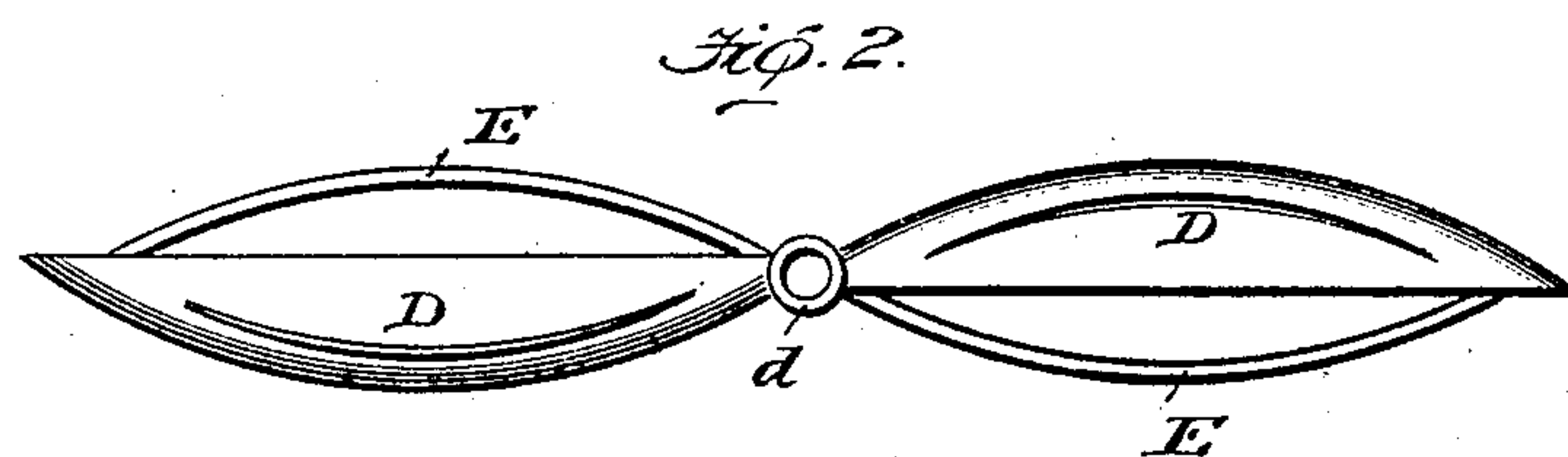
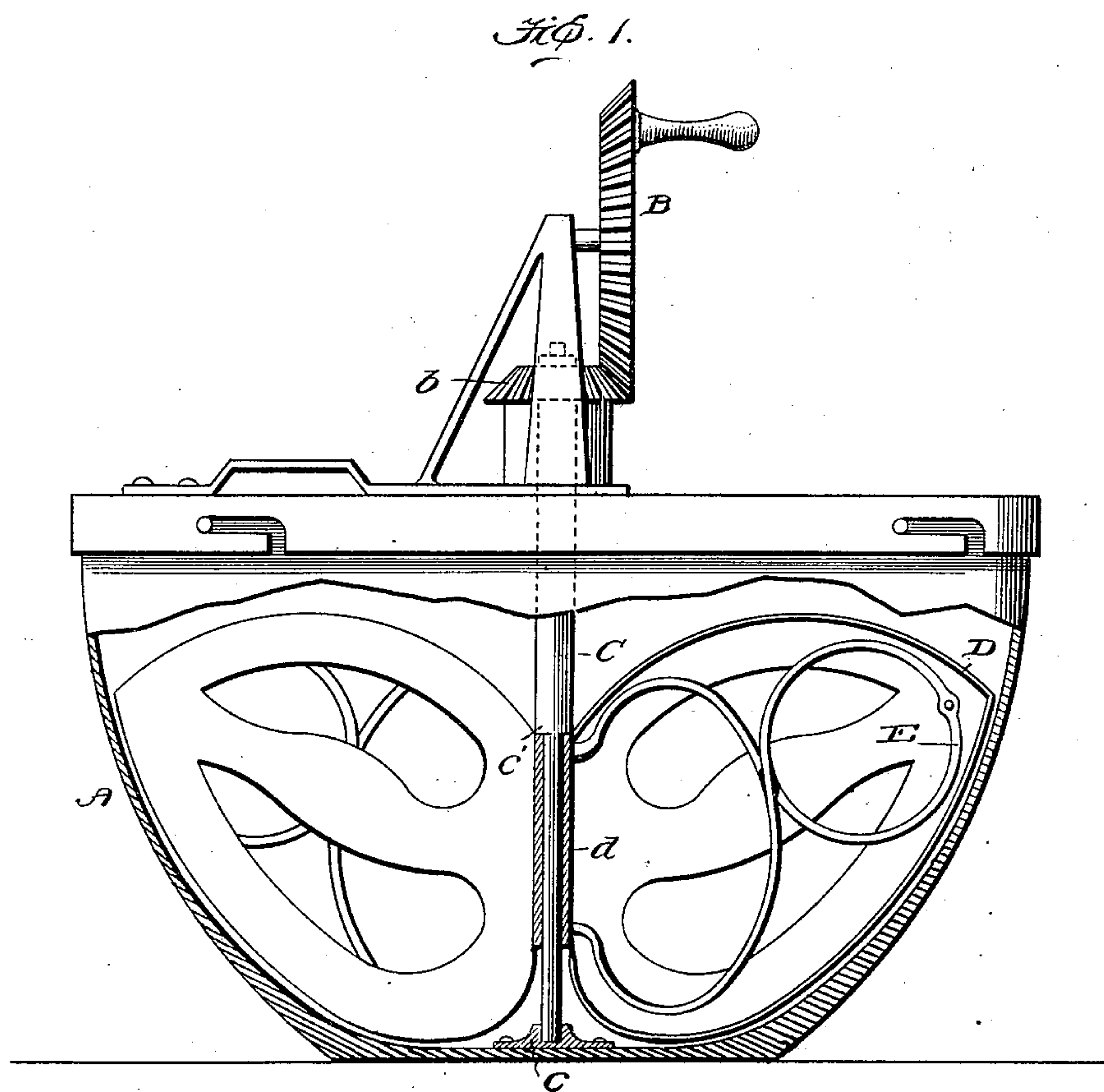
No. 680,229.

Patented Aug. 13, 1901.

D. DAVIS.
MIXING APPARATUS.

(Application filed Feb. 2, 1901.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

DELIA DAVIS, OF GUTHRIE, OKLAHOMA TERRITORY.

MIXING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 680,229, dated August 13, 1901.

Application filed February 2, 1901. Serial No. 45,749. (No model.)

To all whom it may concern:

Be it known that I, DELIA DAVIS, a citizen of the United States, residing at Guthrie, in the county of Logan and Territory of Oklahoma, have invented a new and useful Device for Mixing Pastry Substances and the Like, of which the following is a specification.

My invention relates to improvements in stirring apparatus in which an effective mechanism is provided which is at the same time cheap and durable.

The object of my invention is to provide a stirrer which is adapted for mixing pastry products and other culinary articles.

My invention consists, essentially, in the peculiar construction of the stirring-spoons more particularly pointed out in the specification and claims.

Reference is had to the accompanying drawings, in which—

Figure 1 is a side elevation of the receptacle with the exterior broken away, showing the exterior mechanism. Fig. 2 is a plan view of the stirring-spoons.

In the drawings, A represents a receptacle with its cover held in place by the ordinary bayonet slot and pin construction. Upon the cover is provided any usual means for supporting the beveled gear-wheel B, which means also provides a seat for the shaft C, bearing the corresponding gear-wheel *b*. The lower end of the shaft rests in the seat *c*, in which it revolves by means of the said gear-wheels.

The stirring-spoons D are made, preferably, in one piece, with a central aperture or sleeve *d* formed at their union. The spoons might, however, be made separately and attached to the sleeve by means of rivets or in any well-known manner. The shaft is adapted to receive the sleeve, which when in place rests against the shoulder *c'* and is fastened thereto by a pin or otherwise. Upon the face of each spoon is provided a stiff wire E, formed approximately in the shape of the figure 8 and having its ends attached in any suitable manner at the junction of the spoon with the sleeve. The wire is then bent to describe a curve similar to that of the body of the spoon, but in the opposite direction, and is secured to the end of the spoon by means of a rivet or otherwise. In the body of each spoon are two oblong openings, one beginning near the end of the spoon at each side of the median line and extending parallel with the edge of

the spoon to its base, the opening gradually widening till it approaches the base of the spoon. The spoon-body is made to conform in outline to the inner surface of the receptacle.

When the shaft is rotated, the impact of the wire against the contents of the receptacle divides them and gives them a motion in the directions of the curves of the wire from the point of its crossing. The body of the spoon immediately gathers the materials again together, forcing them through the oblong opening with a motion toward their widest portion. In this manner a thorough dividing and mixing of ingredients is quickly accomplished with ease.

A machine constructed according to my invention is inexpensive, durable, and effective in its operation.

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

1. In a stirrer the combination of a revolving shaft with a spoon-body, said spoon-body being provided with a longitudinal opening at each side of the median line, and having across its face a convex doubly-curved wire, substantially as and for the purposes set forth.

2. In a stirrer the spoon-body D, provided with longitudinal openings, and having across its face the convex wire E with one end attached at each side of the base of the spoon, said wire being twisted a half-turn forming a figure 8, and the end of the loop thus formed, being secured to the outer end of the spoon, substantially as specified.

3. In a stirrer, the combination of a receptacle with a spoon-body, said spoon-body conforming to the inner surface of the receptacle and being provided with longitudinal openings, and having across its face a convex wire with one end attached at each side of the base of the spoon, said wire being twisted a half-turn forming a figure 8, and the end of the loop thus formed, being secured to the outer end of the spoon, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DELIA DAVIS.

Witnesses:

LOIS J. VANDERVOORT,
TEAGUE RAY.