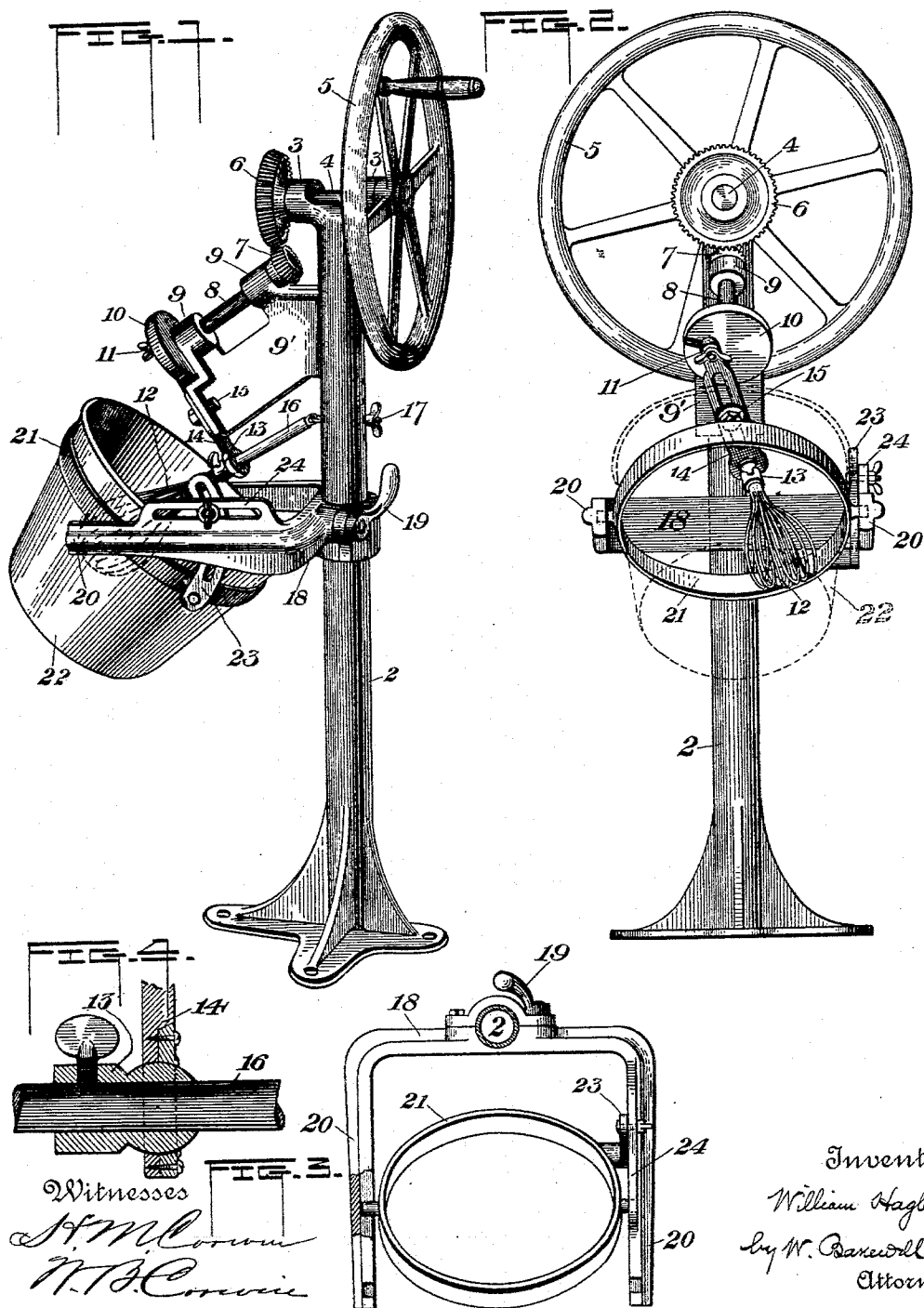


(No Model.)

W. HAGLEY.
EGG BEATING MACHINE.

No. 533,589.

Patented Feb. 5, 1895.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM HAGLEY, OF DENVER, COLORADO.

EGG-BEATING MACHINE.

SPECIFICATION forming part of Letters Patent No. 533,589, dated February 5, 1895.

Application filed December 28, 1893. Serial No. 494,996. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HAGLEY, of Denver, in the county of Arapahoe and State of Colorado, have invented a new and useful Improvement in Egg-Beating Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved egg-beating machine. Fig. 2 is a front elevation of the same. Fig. 3 is a plan view, partly in section, showing the sliding bracket and connections, and Fig. 4 is a detail view hereinafter referred to.

My invention relates to an improved machine for beating eggs and similar substances, and is designed to attain a machine in which the beater is adjustable to any angle and in which the pail may be independently adjusted relatively to the beater. The sweep of the beater may also be changed and increased or diminished to any desired extent.

In the accompanying drawings, in which like symbols of reference indicate like parts in the several figures, 2 is a standard, carrying in the bearing 3 at its upper end a shaft 4, having at one end a fly-wheel 5, and at its other end connecting by bevel-gearing 6, 7, with a shaft 8 carried in bearings 9 upon a side support 9' projecting from the standard 2. At its outer end the inclined shaft 8 carries a disk 10, in which is secured the adjustable crank-pin 11. The beater proper 12 is secured in the tube 13, which tube is provided at its end with a ball-and-socket joint which fits in the link 14 pivoted at its other end to the crank-pin 11. The link is slotted in its intermediate portion to receive a pin 15, which is rigidly secured to the side-frame and acts as a guide for the link. The shank 16 of the beater extends through the tube 13, and at its upper end is held by an eye-bolt 17, which passes through an eye in its upper end and through the standard 2, it being adjustable in height by providing several holes in the standard, as shown.

To hold the pail or other receptacle for the eggs, I provide the sliding bracket 18, which takes about the vertical standard and is secured in adjusted positions by the clamp 19. The projecting arms 20 of this bracket are in-

nerly grooved, and in these grooves fit pins projecting from the ring 21 in which the pail 22 is set. The ring swings on these pins and is held at any desired angle by the slotted segmental brace 23, which is held by a set-screw passing through the slot and through a slotted flange 24 on the bracket.

The machine is driven by a suitable handle connected with the fly-wheel as shown, or may be driven by belt or gearing connection as desired.

The advantages of the device result from the independent adjustments of the beater and the receptacle, and the variations which may be made in the sweep of the beater.

The machine is cheap and simple, and in practice is found to accomplish its work more quickly than any former machine. It is also adapted to a large variety of work, and as the beater moves in a circle without rotation it whips up the eggs without cutting them, and very closely approximates the action of hand-beating.

Many variations in the form and relative arrangement of the parts of the apparatus may be made by the skilled mechanic without variance from my invention, since

What I claim is—

1. An egg-beating machine comprising a standard, a receptacle adjustably secured thereto, a beater pivoted to the support at a fixed point, a link pivotally connected to the beater and pivoted at its other end to a moving part, and means for changing the inclination of the path in which the beater moves; substantially as described.

2. In an egg-beating machine, a crank or disk, means for rotating the same, a beater pivoted to the support at a fixed point, a link pivotally connected to the beater, an adjustable crank pin in the crank or disk, connected to the said link a receptacle, and a support therefor; substantially as described.

3. An egg-beating machine comprising a receptacle, a rotatory disk or crank, a beater pivoted to the support at a fixed point and having a link pivotally connected to an adjustable crank-pin in the crank or disk, and a pin projecting from the frame through a slot in said link; substantially as described.

4. In an egg-beating machine, a receptacle, a beater, a tube through which the beater

shank passes, a link having a ball and socket connection with the tube, and a rotatory crank or disk pivotally connected to the link; substantially as described.

- 5 5. In an egg-beating machine, a standard having a sliding bracket, a ring pivoted within the arms on the bracket, a receptacle within the ring, and means for holding the ring in

its adjusted position; substantially as described. 10

In testimony whereof I have hereunto set my hand.

WILLIAM HAGLEY.

Witnesses:

HERBERT KEMPTON,
J. F. BALSLEY.