No. 772,797. PATENTED OCT. 18, 1904.

J. C. GAUTIER.

CAKE MIXING MACHINE.

APPLICATION FILED JULY 20, 1904.

NO MODEL.

Fig. 1

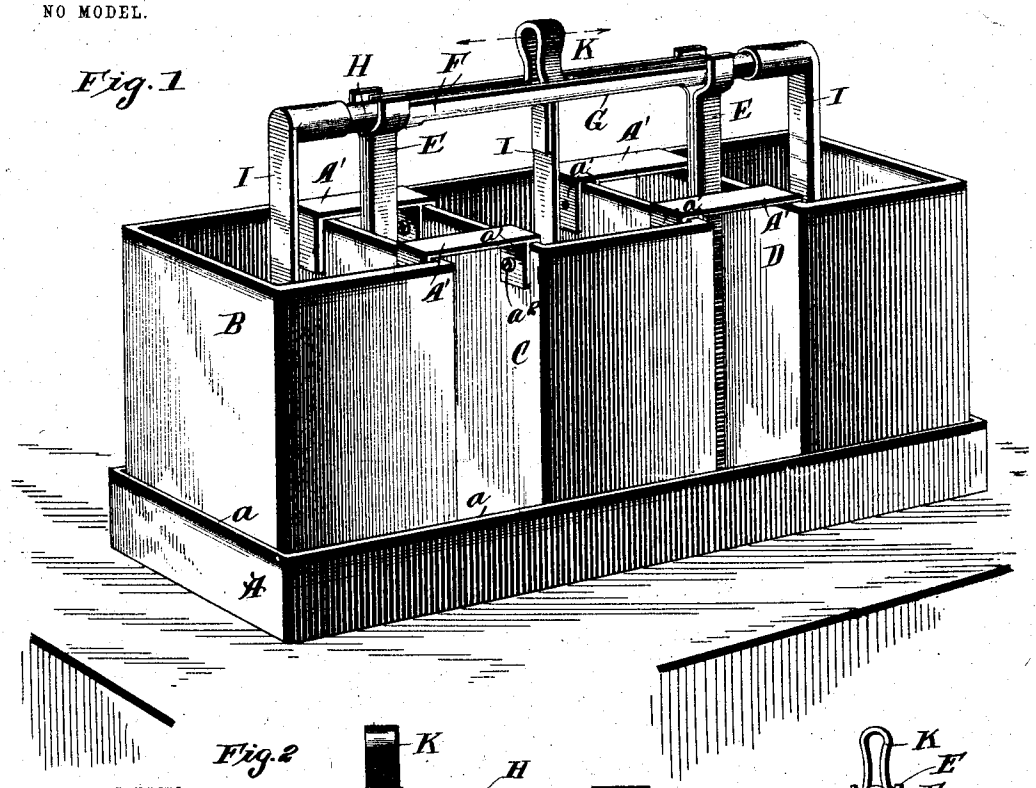


Fig. 2

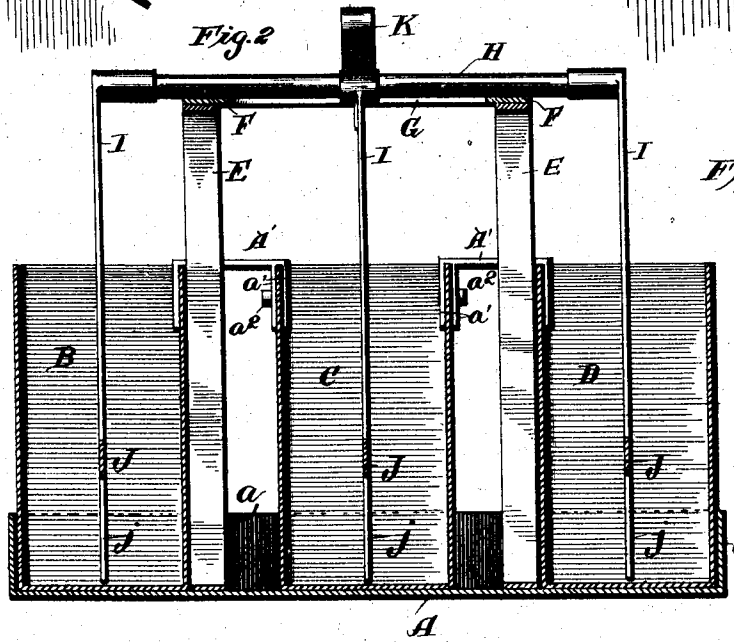
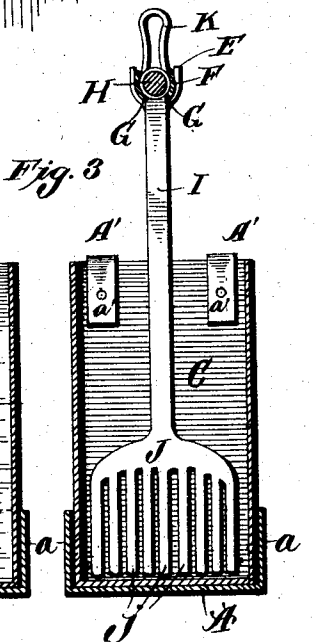


Fig. 3



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No. 772,797. Patented October 18, 1904.

UNITED STATES PATENT OFFICE.

JULIA CAROLINE GAUTIER, OF COLUMBUS, GEORGIA.

CAKE-MIXING MACHINE.

SPECIFICATION forming part of Letters Patent No. 772,797, dated October 18, 1904.

Application filed July 20, 1904. Serial No. 217,335. (No model.)

To all whom it may concern:

Be it known that I, JULIA CAROLINE GAUTIER, a citizen of the United States, residing at Columbus, in the county of Muscogee and State of Georgia, have invented a new and useful Improvement in Cake-Mixing Machines, of which the following is a specification.

My invention relates to an improvement in machines for beating eggs, butter, &c., to be used in making cakes, &c.

The object of this invention is to produce a machine in which batters for making cakes, &c., can be quickly and easily formed and in which the whites and yolks of eggs and butter which are used in making these batters can be separately beaten at one and the same time by one person.

To these ends my invention consists of a machine in which a plurality of simultaneously transversely moving beaters are operated in a plurality of receptacles.

My invention consists, further, in certain novel features in construction, operation, and combination of parts, as will be hereinafter fully described, and pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my device. Fig. 2 is a vertical longitudinal section. Fig. 3 is a vertical transverse section.

Like letters of reference refer to like parts in the several figures.

A represents the base or case of the machine, in which are placed the cups or receptacles B C D for the yolks, whites of eggs, and butter, respectively. The flange *a* prevents the receptacles from moving laterally, and they are prevented from longitudinal movement by means of the clamp A′, which may be of inverted-U shape, the lower end of one member being permanently secured to the cup and the other end being forked, as at *a′*, said forks fitting over the upper edge of the receptacles or cups and there held by set-screws a^2. Extending upwardly from the base, to which they are rigidly attached, are the standards E. These standards are located in the present instance between the first and second and second and third receptacles or cups and support at their upper ends a slideway F, which is preferably semicircular in cross-section, the upper portion of said slideway being open, as indicated in Figs. 1 and 3. The base of this slideway is provided with a longitudinal slot G, which extends a suitable distance between the standards E.

H represents a circular bar, to the ends and middle of which are secured the downwardly-projecting flat dasher-shafts I, one dasher-shaft extending down into one of the cups B C D. The lower end of each dasher-shaft is provided with a dasher or beater J, which in the form shown is fan-shaped and is provided with a number of beater-fingers *j*.

K represents an operating-handle secured to the upper surface of the bar H at its center, said handle being formed as a loop, whereby it can be grasped by the hand or in which a piece of wood may be placed or other operating means attached to it.

To place the bar H in place within the slideway or guideway, the central dasher and shaft is passed flatwise through slot G and then given a quarter-turn, when the two outside dashers will drop into their respective cups.

In operating my improved device the whites and yolks of eggs and butter are placed in their respective cups and the bar given a horizontally-reciprocating movement, whereupon the dashers will be simultaneously reciprocated laterally in each cup and the respective ingredients beaten at one and the same time.

It will thus be seen that I produce a simple, cheap, and effective device for the purpose set forth and one which can be easily and quickly set up for use and taken apart for cleaning.

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

1. In a device of the character described, the combination with a base, a plurality of receptacles arranged side by side on said base, a vertical dasher extending into each receptacle, a cross-head connecting the upper ends of the dasher-shafts, and means for reciprocating the cross-head in a horizontal line, whereby the dashers will be simultaneously reciprocated horizontally in their respective receptacles.

2. In a device of the character described, the combination with a base, a plurality of receptacles resting on said base, a guideway secured to said base and located above said receptacles, a bar fitted to reciprocate with respect to said guideway, a plurality of vertical dashers secured to said bar extending downwardly into said receptacles, and means for reciprocating said bar, whereby each dasher will be simultaneously reciprocated transversely within its respective receptacles.

3. In a device of the character described, the combination with a base, standards extending upwardly from said base, a slotted guideway secured to said standards, a plurality of receptacles resting on said base beneath the guideway, a bar fitted to reciprocate with respect to said guideway, a plurality of dasher-shafts secured to said bar and extending downwardly into said receptacles, one or more of said dasher-shafts working within the slot in the guideway, and means for reciprocating said bar, whereby each dasher will be simultaneously reciprocated transversely within its respective receptacle.

4. In a device of the character described, the combination with a base and a plurality of receptacles resting on said base, clamps secured to the receptacles and adapted to be detachably connected to the adjacent receptacles, standards secured to the base and extending upwardly above the receptacles, a guideway secured to the upper ends of the standards, a bar mounted to reciprocate with respect to said guideway, dasher-shafts secured to said bar and extending downwardly into said receptacles, dashers at the lower ends of said dasher-shafts, and means for reciprocating said bar with respect to the guideway, whereby each dasher will be simultaneously reciprocated transversely within its respective receptacle.

5. In a device of the character described, the combination with a flanged base, a plurality of receptacles resting on the base within the flanges thereof, standards secured at their lower ends to said base and extending upwardly above said receptacles, a slotted guideway secured to the upper ends of said standards, a bar mounted to slide on said guideway, dasher-shafts secured to said bar and extending downwardly into the receptacles, one or more of said dasher-shafts passing through the slot in the guideway, dashers consisting of a plurality of fingers secured to the lower ends of the dasher-shafts, and means for reciprocating the bar in the guideway, whereby each dasher will be simultaneously reciprocated laterally within its respective receptacle.

6. In a device of the character described, a plurality of receptacles arranged side by side, a dasher extending into each receptacle, a cross-head connecting the upper ends of the dasher-shafts, and means for reciprocating the cross-head horizontally whereby the dashers will be simultaneously reciprocated in their respective receptacles.

JULIA CAROLINE GAUTIER.

Witnesses:
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