

(No Model.)

F. KOHLENBERG.
EGG BEATER.

No. 570,668.

Patented Nov. 3, 1896.

Fig. 1.

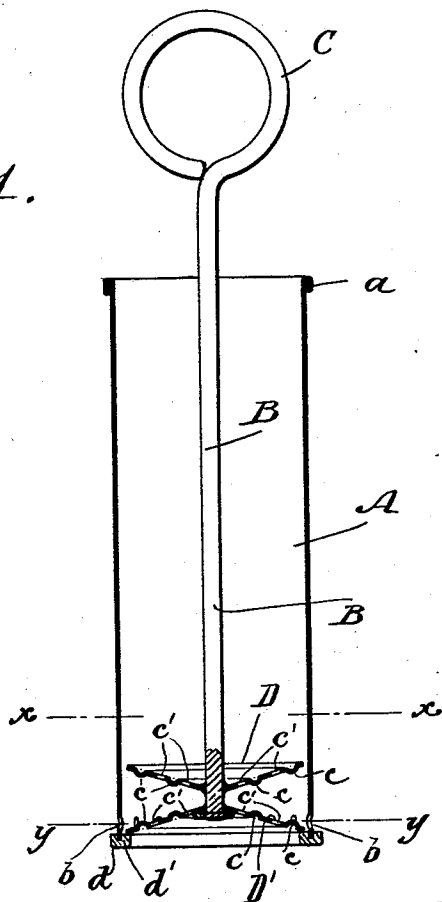


Fig. 2.

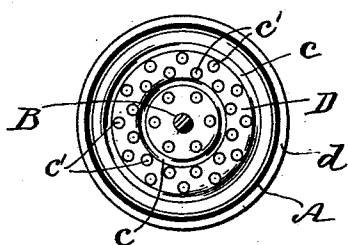
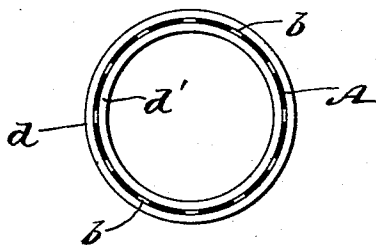


Fig. 3.



WITNESSES:

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FERDINAND KOHLENBERG, OF ALBANY, NEW YORK, ASSIGNOR OF ONE-HALF TO EUGENE E. HOWE, OF SAME PLACE.

EGG-BEATER.

SPECIFICATION forming part of Letters Patent No. 570,668, dated November 3, 1896.

Application filed December 11, 1894. Serial No. 531,499. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND KOHLENBERG, a citizen of the United States, and a resident of Albany, county of Albany, and State of New York, have invented certain new and useful Improvements in Egg-Beaters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts in all the figures.

This invention relates to egg and other similar fluid beaters of that class which comprise a tubular barrel apertured at the bottom, which is inserted and held in a vessel containing the matter to be reciprocated, and a plunger or dasher-rod sliding vertically therein, the object of my invention being to provide a complete device of this character in which the plunger will be prevented from escaping through the bottom of the barrel, which is a common inconvenience in this class of devices, wherein the plunger is reciprocated so rapidly that its accidental escape often occurs by the exertion of too great downward pressure thereon, and as the dashers upon said plunger strike the lower edge of the barrel on the recoil the operation is temporarily restricted and injury often done to the device.

The invention consists in the novel construction and arrangement of parts herein after fully described.

In the accompanying drawings, Figure 1 is a longitudinal section taken through the exact center of a device embodying my invention. Fig. 2 is a transverse section of the same upon the line *xx*. Fig. 3 is a similar section of a barrel alone upon the line *yy*, Fig. 1.

In the practice of my invention I construct a tubular and cylindrical barrel A, having a flanged edge or bead *a*, by means of which it is grasped, and in the bottom thereof, at or near the lower edge, I form a series of peripheral apertures *b*. Sliding in this barrel A is a plunger or rod B, having its upper end bent to form a handle C, and having mounted upon its lower end dashers D D', secured thereon at slight distance apart, and having annular grooves *c* formed therein near the

edge thereof, and midway between the same and the center, to strengthen said disks, which are provided with a plurality of perforations or apertures *c'* therein. These dashers are approximately concavo-convex, with their convex faces adjacent to each other.

In order that the plunger may not be depressed so far as to cause the lower disk D' to escape from the barrel, I secure to the lower edge thereof a base-piece or annular flange *d*, projecting inwardly from the lower edge of the barrel A to form a stop *d'*, as shown, against which the outer and grooved edge of the dasher D' abuts. This base is shown in the drawings as being a metallic casting, and it is to be observed that where, as ordinarily, the lower edge of the barrel is provided with the perforations *b* said edge will become bent after short use of the device, and as any change in the contour of the barrel will prevent the reciprocation of the plunger the device would then become useless, but in my improved form the flange or base *d* serves also to prevent any possible bending of said barrel.

The operation of the device will be readily understood from the foregoing description taken in connection with the accompanying drawings, and is substantially as ordinarily, with the exception, as aforesaid, that the plunger B is not depressible farther than to bring the grooved edge of the dasher D' into engagement with the base *d*. It is to be noted that the perforations *b* are for the escape of air upon the downward movement of the plunger, and that the grooves *c* in the dashers serve not only to strengthen the same, but to cause them to assume a more dish-shaped form than the usual concavo-convex dashers, thereby attaining greater efficiency.

The advantages resultant from the use of my invention will be manifest to all who are conversant with the general class of devices to which the same appertains.

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

As an improved article of manufacture an egg-beater, substantially as herein shown and described, consisting of a cylinder having an external reinforcing-bead formed on one end

thereof, and an inwardly-directed annular flange connected with the lower end thereof above which are formed apertures or openings through which the material to be beaten
5 is discharged, said cylinder extending slightly into said flange and a plunger-rod carrying concavo-convex dashers provided with apertures having the convex portion directed inwardly, said flange being adapted to limit
10 the downward motion of the dashers and prevent the disengagement thereof from the cyl-

inder, all arranged and operating as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 8th day of December, 1894. 15

FERDINAND KOHLENBERG.

Witnesses:

E. W. RIECK,
S. J. DARING.