W. A. CLANTON.

ADJUSTABLE UTILITY DASHER.

APPLICATION FILED FEB. 2, 1917.

1,244,956. Patented Oct. 30, 1917.

Fig. 1.

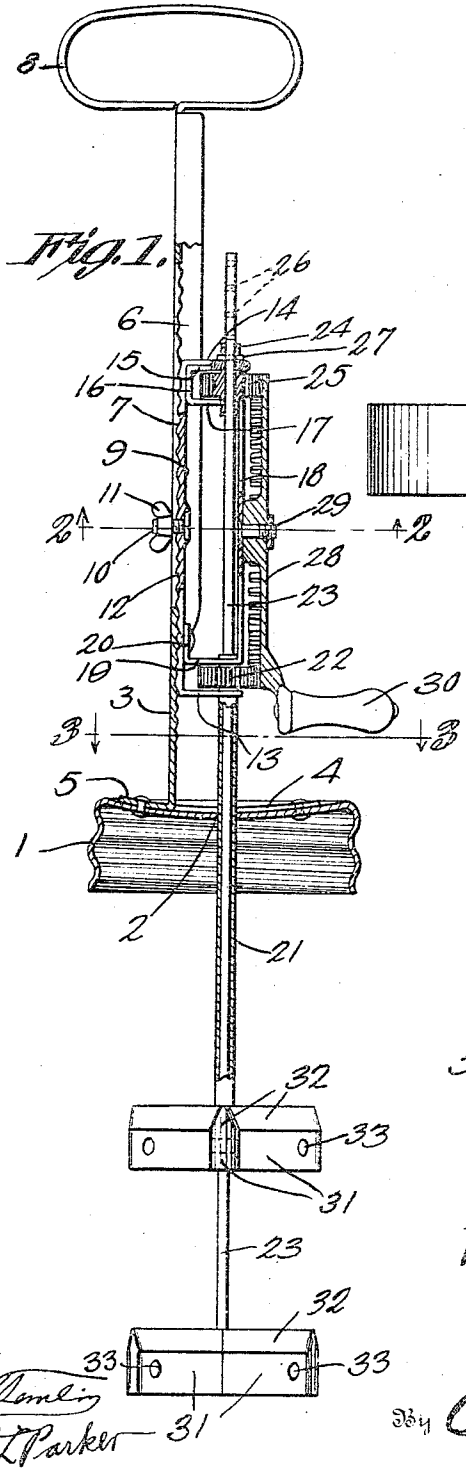


Fig. 2.

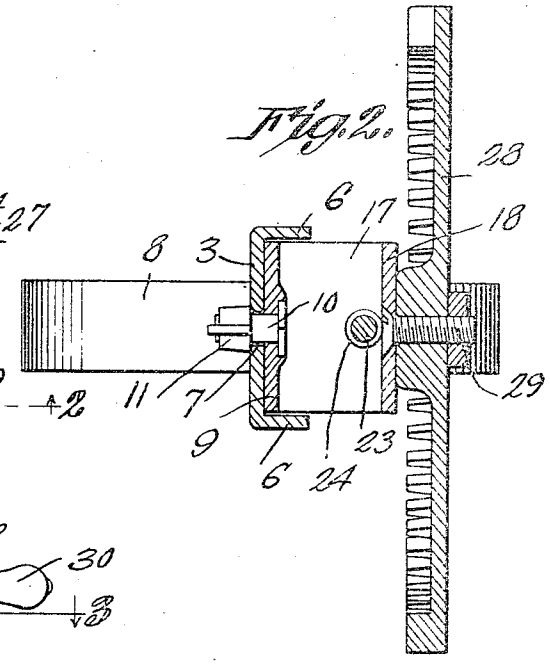
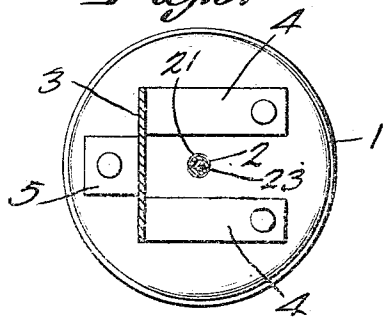


Fig. 3.



Witness

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE UTILITY DASHER.

1,244,956. Specification of Letters Patent. **Patented Oct. 30, 1917.**

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To all whom it may concern:

Be it known that I, WILLIAM A. CLANTON, a citizen of the United States, residing at Eunice, in the parish of St. Landry and State of Louisiana, have invented a new and useful Adjustable Utility Dasher, of which the following is a specification.

The present invention appertains to agitators and dashers, and aims to provide a novel and improved device for agitating and mixing various materials, whipping cream, beating eggs, and the like.

It is the object of the invention to provide a device of that character embodying a novel assemblage of the component elements, the construction being simple and inexpensive, being adjustable to regulate the position of the agitating elements, and being practical and efficient in use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:—

Figure 1 is a side elevation of the device, portions being shown in section.

Fig. 2 is an enlarged cross section taken on the line 2—2 of Fig. 1.

Fig. 3 is a section taken on the line 3—3 of Fig. 1.

In carrying out the invention, the device is preferably carried by a cap or cover 1 which can be screwed upon an ordinary fruit jar or other receptacle in which the agitating elements are inserted for agitating, mixing, whipping or beating the contents of the receptacle. The top of the cap 1 is preferably concaved, and has a central aperture 2. A standard 3 formed from a strip or plate of sheet metal is carried by the cap 1, the same having its lower terminal split and bent to provide the feet 4 extending in one direction and the foot 5 extending in the opposite direction, said feet being seated and riveted or otherwise secured upon the top of the cap 1 with the feet 4 at opposite sides of the aperture 2, as seen in Fig. 3. The edge portions of the standard 3 are bent to one side, to provide flanges 6, whereby the standard is of channel-shape, for stiffening it. The standard 3 is provided with a longitudinal or vertical slot 7 between the flanges 6, and with a loop-shaped handle 8 at its upper end which can be grasped by one hand for steadying the device, while the other hand is used for actuating it.

A vertically adjustable slide is carried by the standard, and comprises a vertical bar or strip 9 fitting against one side of the standard 3 between the flanges 6, which flanges guide said bar for vertical adjustment. A bolt 10 is used for clamping the bar 9 to the standard, said bolt being engaged with the bar 9 between its ends and extending through the slot 7, and a nut 11 is threaded upon the bolt for clamping the parts together. The adjacent surfaces of the standard 3 and bar or slide 9 are preferably corrugated, as at 12, in order that when the nut 11 is tightened, the slide 9 will be positively held against accidental adjustment. The lower end of the slide 9 has a tongue 13 extending at a right angle therefrom away from the standard 3 and constituting one terminal of the bar or strip from which the slide is bent. The slide 9 is provided at its upper end with a portion 14 extending in the same direction as the tongue or portion 13, and the bar has a portion 15 bent back under the portion 14 and a portion 16 depending from the portion 14 adjacent to the body portion of the bar or slide 9. From the portion 16, a portion 17 extends away from the slide 9 parallel with the portions 14 and 15 and providing a U-shaped loop therewith. The bar has a vertical portion 18 extending from the portion 17 to a point short of the portion 13, and a portion 19 extends from the lower end of the portion 18 to the body portion of the slide or bar 9 above and parallel with the portion 13. The portion 19 constitutes the other terminal of the bar and is bent and riveted or otherwise secured, as at 20, to the body portion. The portions 15—17 and 13—19 provide recesses for accommodating the pinions as hereinafter described.

A vertical tubular shaft 21 extends

through the aperture 2 and its upper terminal is journaled through the portions 13 and 19, a pinion 22 being secured in any suitable manner upon the shaft 21 between said portions 13 and 19, thus holding the slide and shaft 21 in relative longitudinal position, but enabling said shaft to rotate. A shaft 23 longer than the shaft 21 extends therethrough and its upper terminal extends through a sleeve 24 journaled through the portions 14, 15 and 17. A second pinion 25 is secured in any suitable manner upon the sleeve 24 between the portions 15 and 17, and the shaft 23 is adjustable vertically through the sleeve 24 and tubular shaft 21. In order to hold the shaft 23 at various adjusted positions, it is provided with a longitudinal series of apertures 26, and a key 27 is insertible through apertures in the upper terminal of the sleeve 24 and through any one of the apertures 26, although any other suitable means can be employed for holding the shaft 23 at various adjusted positions relative to the sleeve 24 which is constrained against longitudinal movement.

A gear wheel or disk 28, is pivoted, at as 29, to the portion 18 between the pinions, and meshes with the pinions, whereby when the gear wheel is rotated, the shafts 21 and 23 are rotated in opposite directions, the gear wheel 28 having a crank handle 30 or other suitable means whereby it can be rotated conveniently.

The agitating elements are carried by the lower terminals of the shafts 21 and 23, and although two are illustrated, any suitable number can be used and they may be of various forms. As illustrated, the agitating elements have radial blades 31 with their upper edges beveled, as at 32, and provided with suitable apertures 33.

The upper agitating element can be adjusted to the desired position relative to the cap 1, by loosening the nut 11 and adjusting the slide vertically, it being noted that the pinion 22 and the shaft 21 are adjusted vertically with the slide. The nut 11 is then tightened, and the lower agitating element can then be adjusted to the desired position, by removing the key 27 and adjusting the shaft 23 vertically, after which the pin or key 27 is again applied. It is also possible, when the key 27 is removed, to withdraw the shaft 23, so that only the upper agitating element is used, when this is desired.

Having thus described the invention, what is claimed as new is:

A device of the character described embodying a supporting member bent from a bar and having two portions and two recesses at the ends thereof, means for supporting one of said portions, a gear wheel pivoted to the other portion, a tubular shaft journaled in said member, a pinion within one of said recesses secured upon said shaft, a sleeve journaled in said member, a second pinion secured upon the sleeve within the other recess, a shaft extending through the tubular shaft and sleeve, said gear wheel meshing with the pinions, and elements carried by the shafts to be operated thereby.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM A. CLANTON.

Witnesses:
A. B. PICON,
T. J. WALTMON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."