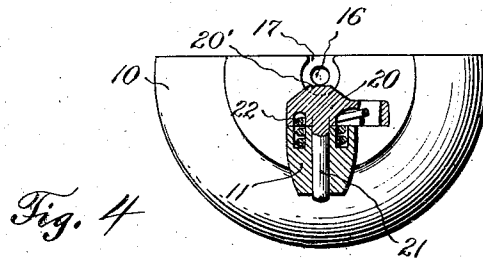
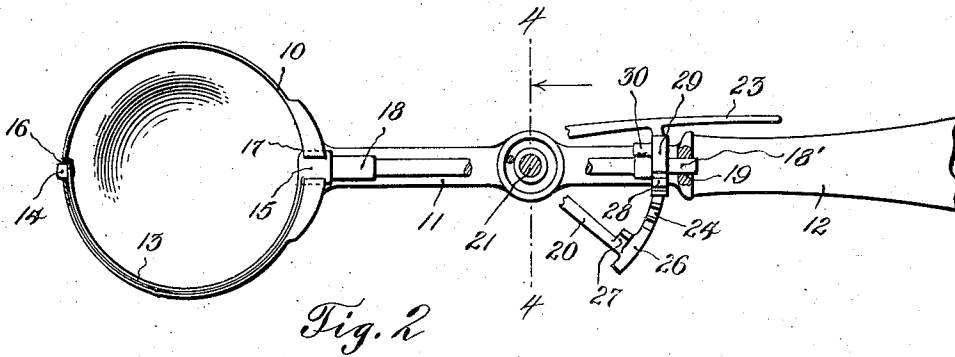
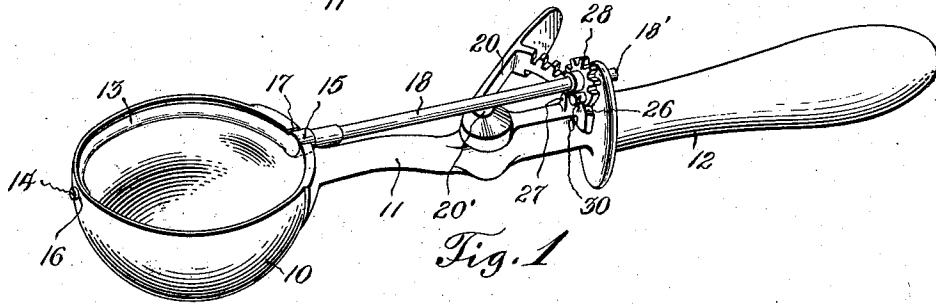
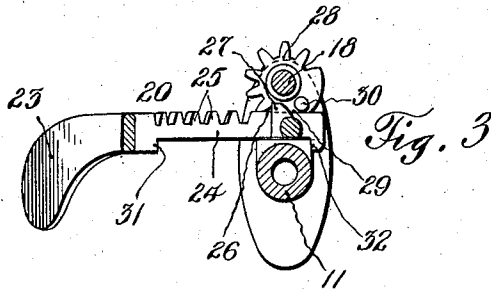


J. J. HONECKER.
ICE CREAM DISHER.
APPLICATION FILED DEC. 15, 1910.

1,049,585.

Patented Jan. 7, 1913.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JACOB J. HONECKER, OF CLEVELAND, OHIO.

ICE-CREAM DISHER.

1,049,585.

Specification of Letters Patent.

Patented Jan. 7, 1913.

Application filed December 15, 1910. Serial No. 597,482.

To all whom it may concern:

Be it known that I, JACOB J. HONECKER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Ice-Cream Dish, of which the following is a specification.

This invention relates to dippers and dishers for delivering or dispensing measured quantities of commodities in bulk, such for instance as ice cream in restaurants or soda water fountains.

While the device has been designed especially for dispensing ice cream, it will be understood as being useful in many other relations, and when the term "ice cream" is employed in the following description and claims it is my intention that it shall be regarded as illustrative rather than restrictive.

The invention comprises certain features of construction, or their equivalents, hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the invention complete, with the movable parts in normal position; Fig. 2 is a plan view of the same, partly broken away and showing the movable parts in the opposite position; Fig. 3 is a transverse section showing the locking means in elevation, and Fig. 4 is a transverse section on the line 4—4 of Fig. 2, with the scraper removed.

Throughout the following description and on the several figures of the drawings similar parts are referred to by like reference characters.

At 10 is indicated a spoon or bowl, preferably of hemi-spherical form, to which is connected a shank or support 11 and handle 12. As is customary in devices of this character the bowl is provided with a scraper 13 to facilitate delivery of its contents by loosening the same from the inner surface of the bowl. The scraper is shown of semi-circular form to conform to the bowl surface over which it is movable from one side to the other. For utensils of this nature to be sanitary it is essential that they be constructed of the fewest possible number of parts and which may be disassembled with facility for frequent and thorough cleansing. To this end the scraper is provided with a pair of trunnions 14 and 15 extending outwardly therefrom and journaled in

the rim of the bowl in bearings 16 and 17, respectively. The latter bearing is undercut, as shown best in Fig. 4, and has an open side of less width than the diameter of the bearing and trunnion therein, whereby the trunnion is normally prevented from lateral displacement. The curved portion of the scraper being of flexible and resilient material, its trunnion 14 may easily be snapped into or out of its bearing 16, and its resiliency maintains both trunnions normally in place. A rock shaft 18 of any suitable length extends from the trunnion 15 in the axis of both trunnions substantially parallel to the support 11 and is shown with its opposite end 18' journaled in a bearing 19 adjacent the handle. The shaft, being of less diameter than the trunnion 15, may readily pass laterally in or out of the side opening of the bearing 17 when shifted longitudinally so as to bring the large trunnion 15 beyond said bearing.

To remove the scraper and shaft from the bearings and thus detach the same from the bowl, it is but necessary to push the trunnion 14 inwardly out of its bearing, by a finger or thumb nail, and upon throwing the end of the scraper adjacent the trunnion 14 outward or upward to clear the edge of the bowl the trunnion 15 and shaft 18 may slide longitudinally out of their bearings, and the shaft will be free to pass laterally from the bearing 17. The scraper is replaced by simply reversing these operations.

Any suitable means may be employed to cause desired movement of the scraper to and fro across the inner surface of the bowl or to prevent movement thereof from its normal position during the filling of the bowl. In devices of this character having the scraper located normally at or near one lateral edge of the bowl there is a tendency for the ice cream to cause it to be forced inwardly toward the bottom of the bowl, especially when operating upon hard cream which is generally demanded in connection with the soda water trade. Accordingly I have shown at 20 an actuator which in its coöperation with the rock shaft 18 well meets these conditions of control of the scraper. Said actuator may be pivoted to the shank 11 at 21 and is maintained in normal position by a spring 22, against the force of which it may be moved, to swing the scraper from normal position, by manual

pressure upon the thumb piece 23. The actuator in the form illustrated is substantially sector-shaped and has an arc 24 provided with a series of rack teeth 25 and a flat 26 at one end of the rack. A cam 27 also is provided on the actuator, preferably adjacent the flat 26. A pinion 28 is secured to the shaft 18 and has a series of teeth adapted to mesh with the rack teeth 25, whereby the shaft and scraper may be rotated in either direction. The pinion also has a flat 29 which normally lies upon or coincides with the actuator flat 26, whereby the pinion, shaft, and scraper are positively locked from rotation in either direction. When, however, the actuator is moved from normal position, as toward the right in Fig. 3, the arc flat slides freely beneath the pinion flat, and said cam 27 will engage a lug 30 on the pinion and cause the pinion to begin rotating so as to bring the pinion teeth into mesh with the rack teeth during the remainder of the said movement of the actuator. On the reverse movement of the actuator, as the last pinion tooth leaves the rack the two flats will again assume the locking relation. The actuator is shown provided with lugs or shoulders 31 and 32 to limit its movement across the shank. The position of the actuator in Fig. 2 is that best suited for the purpose of removing and replacing the scraper. The actuator may be secured pivotally to the shank by any suitable means, but as indicated in Figs. 1 and 4 the shaft 18 and actuator hub are so arranged and proportioned that the shaft normally, by contact at 20', holds the actuator in place. After the scraper and shaft are removed as above set forth the actuator too may be removed from the shank without the use of any tools whatever.

I claim:

1. In an ice cream disher, the combination of a bowl, a support therefor, a scraper pivoted in the rim of the bowl on an axis substantially parallel to said support, an actuator connected to the scraper for rota-

tion thereof to loosen the contents of the bowl, and means associated with the actuator preventing movement of the scraper during the filling of the bowl and the initial movement of the actuator.

2. In an ice cream disher, the combination of a bowl, a scraper movable therein, a pinion connected to said scraper, said pinion being provided with a flat and a projecting lug, and an actuator provided with a flat which during the normal conditions or initial movement coöperates with the pinion flat preventing movement of the scraper, a series of rack teeth, and a cam to coöperate with said pinion lug to cause the pinion and rack teeth to mesh, whereby the scraper will be moved during the latter portion of the movement of the actuator.

3. In an ice cream disher, the combination with a hemi-spherical bowl, of a semi-circular scraper movable across the inner surface of the bowl from one side to the other and conforming thereto, means connected to the scraper to control its movements, and an actuator coöperating with said scraper controlling means to rotate the scraper to loosen the contents of the bowl, said actuator including means whereby in its normal position it serves to positively lock the scraper from rotation in either direction.

4. In an ice cream disher, the combination of a bowl, a support therefor, a scraper in the bowl, a shaft to control the operation of the scraper and journaled adjacent said support, an actuator between the shaft and the support and pivoted to the latter, and means associated with said actuator and shaft for normally positively locking said scraper from rotation in either direction.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

JACOB J. HONECKER.

Witnesses:

ARTHUR W. HONECKER,
GERTRUDE ROUECHE.