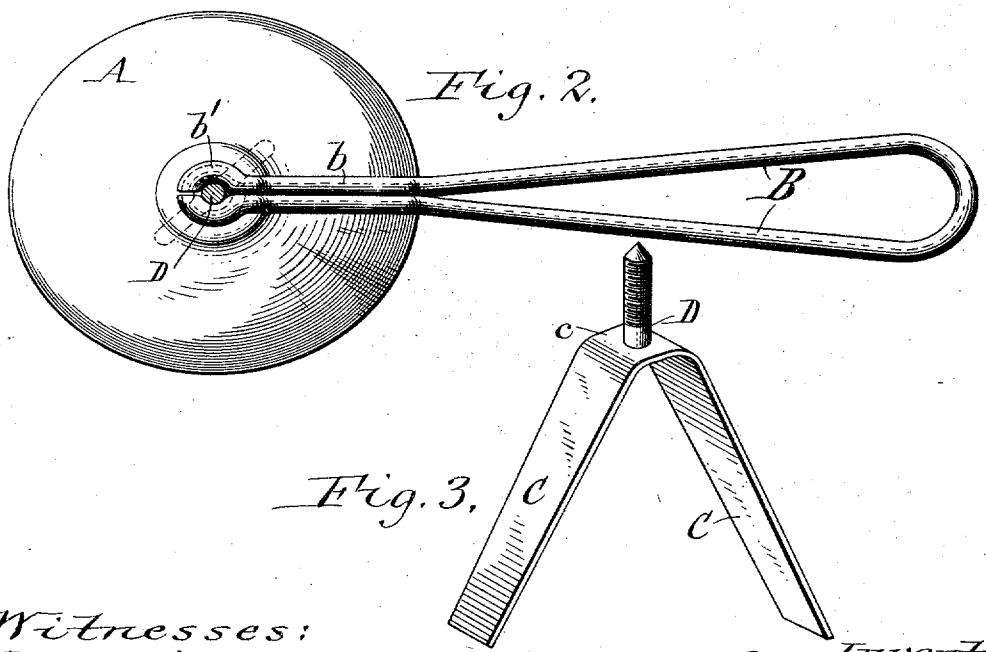
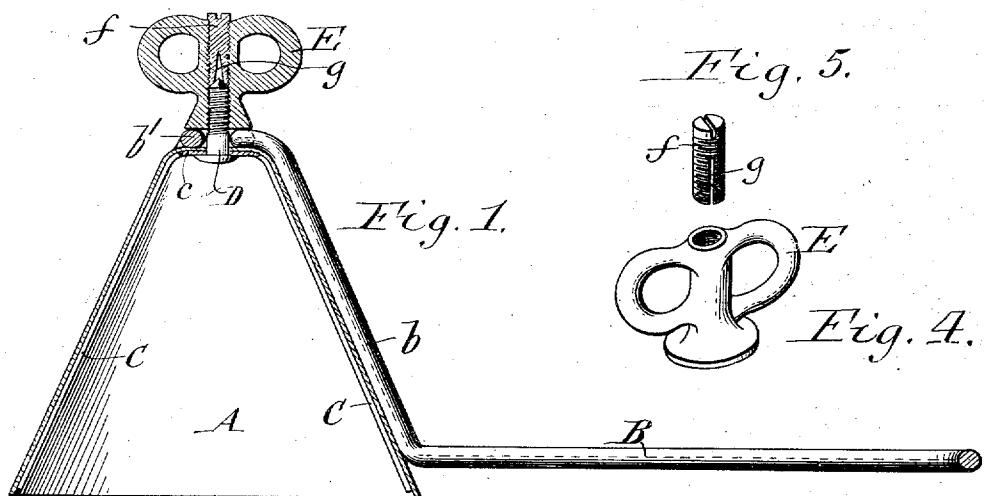


No. 809,663.

PATENTED JAN. 9, 1906.

A. E. BENNETT.
ICE CREAM MOLD AND DIPPER.
APPLICATION FILED FEB. 10, 1905.



Witnesses:

Robert Wittenrech
Louis W. Gratz

Arthur E. Bennett, Inventor
by Leyrer & Poppe, Attorneys

UNITED STATES PATENT OFFICE.

ARTHUR E. BENNETT, OF BUFFALO, NEW YORK, ASSIGNOR TO THE BENNETT MANUFACTURING COMPANY, OF BUFFALO, NEW YORK, A CORPORATION OF SOUTH DAKOTA.

ICE-CREAM MOLD AND DIPPER.

No. 809,663.

Specification of Letters Patent.

Patented Jan. 9, 1906.

Application filed February 10, 1905. Serial No. 244,999.

To all whom it may concern:

Be it known that I, ARTHUR E. BENNETT, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Ice-Cream Molds and Dippers, of which the following is a specification.

This invention relates to the molds and measures employed for dipping a predetermined quantity of ice-cream from a receptacle and depositing it in a molded condition upon a plate or saucer.

One of the objects of my invention is to provide the implement with simple means for removably attaching the usual rotary scraper to the mold, to facilitate the cleaning of the device, and enable the scrapers when bent to be readily restored to their proper working condition.

Other objects of the invention are to provide a large bearing-surface for the scraper-spindle and to improve the construction of the handle with a view of securely attaching it to the mold and also stiffening the latter.

In the accompanying drawings, Figure 1 is a sectional elevation of the improved dipper. Fig. 2 is a top plan view thereof, partly in section. Fig. 3 is a perspective view of the scrapers and their spindle. Fig. 4 is a similar view of the thumb-nut. Fig. 5 is a similar view of the stop-screw of the nut.

Similar letters of reference indicate corresponding parts throughout the several views.

A indicates the mold and dipper, which preferably has the customary conical shape, although it may be of any other suitable form.

B indicates the handle, extending laterally from the mold, preferably near its large end. The shank b of the handle extends lengthwise along the outer side of the mold to its small end, where it is provided with an eye or washer b', resting against the small flattened end of the mold and arranged substantially parallel with the handle. This eye and the shank are soldered or otherwise fastened to the mold, and the handle, shank, and eye are preferably formed of a single piece of heavy wire doubled to form an open or loop-like handle and a double shank, the end portions of the wire being semicircular to form said eye.

C indicates the rotary scrapers or blades, which bear against the inner side of the mold from its large to its small end. Two of such scrapers are shown in the drawings, and they are preferably bent from a single strip of sheet metal having the necessary stiffness. The horizontal connection c between the scrapers is attached to a bolt or spindle D, which passes through an opening in the same and also loosely through openings formed in the closed apex of the mold and through the eye b', the spindle being removably held in place by a thumb-nut E, applied to its upper end and serving also as a knob for turning the scrapers to detach the ice-cream from the mold. The screw-threaded opening of the thumb-nut preferably extends through the top thereof and receives a screw or adjustable stop f, adapted to bear against the upper end of the spindle D. By properly adjusting this stop-screw it prevents clamping of the thumb-nut against the eye b' and consequent binding of the spindle and scrapers. Preferably the lower end of the stop-screw is split, as shown at g, and the abutting upper end of the spindle is pointed or wedge-shaped, so that upon tightening the screw its split portion is expanded against the bore of the thumb-nut by the spindle, securely locking the thumb-nut to the spindle.

By constructing the handle B with the extended shank b it is securely fastened to the mold and the latter is at the same time materially stiffened, and by providing the shank with the eye b' the latter reinforces the end of the mold and furnishes an increased bearing-surface for the spindle D, and the adjacent end of the shank is also more reliably secured to the small end of the mold.

Upon loosening the stop-screw f the thumb-nut E can be unscrewed from the spindle D, and the latter, with the scrapers carried by the same, can be removed from the mold, thus permitting all parts of the device to be thoroughly cleaned when necessary. The ready removal of the scrapers permitted by this construction is also of great advantage in case the scrapers become bent and stand at a distance from the inner side of the mold. When this occurs, the scrapers after being detached from the mold are spread or bent outward slightly beyond the position they assume when in the mold, and upon being re-

placed they are sprung toward each other by the tapering wall of the mold, causing them to bear against the mold throughout their length.

5 I claim as my invention—

1. In an ice-cream dipper, the combination of a mold or vessel, a handle extending therefrom and having a shank secured to the side of the vessel and provided with an angular eye or washer which extends across the closed end of the vessel, a scraper arranged in the vessel, and a spindle connected with the scraper and passing through said eye or washer, substantially as set forth. 35

15 2. In an ice-cream dipper, the combination of a mold or vessel, a handle extending therefrom and having a double shank secured to the side of the vessel and provided with an angular eye which is arranged at the closed 40 end of the vessel, said handle, shank and eye being formed of a continuous piece of wire, and a rotary scraper having an operating-spindle passing through the closed end of the vessel and said eye, substantially as set forth.

25 3. In an ice-cream dipper, the combination of a mold or vessel, a handle extending therefrom and having a double shank secured to the side of the vessel and terminating in an eye arranged substantially parallel with 45 the handle and secured to the closed end of

the vessel, said handle, shank and eye being bent from a single piece of wire the end portions of which are curved to form the eye, and a rotary scraper having an operating-spindle passing through the closed end of the vessel and said eye, substantially as set forth. 50

4. In an ice-cream dipper, the combination of a mold or vessel, a scraper arranged therein, a spindle connected with the scraper and passing through the closed end of the vessel, a thumb-nut applied to the projecting end of the spindle, and a stop-screw engaging the bore of the nut and bearing against the spindle, substantially as set forth. 40

5. In an ice-cream dipper, the combination of a mold or vessel, a scraper arranged therein, a spindle connected with the scraper and passing through the closed end of the vessel, the spindle having a tapered outer end, a thumb-nut applied to the protecting end of 50 the spindle, and a locking-screw engaging the bore of the nut and having a split inner end adapted to be expanded by the tapered end of the spindle, substantially as set forth.

Witness my hand this 1st day of February, 55 1905.

ARTHUR E. BENNETT.

Witnesses:

THEO. L. POPP,
EMMA M. GRAHAM.

Correction in Letters Patent No. 809,663.

It is hereby certified that in Letters Patent No. 809,663, granted January 9, 1906, upon the application of Arthur E. Bennett, of Buffalo, New York, for an improvement in "Ice-Cream Mold and Dipper," an error appears in the printed specification requiring correction, as follows: On page 2, line 50, the word "protecting" should read *projecting*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23d day of January, A. D., 1906.

[SEAL.]

M. M. Mortimer
Chief Des. B.

F. I. ALLEN,
Commissioner of Patents.

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F. I. ALLEN,
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*H. H. Mortimer
Chief Des. B.*