

(No Model.)

H. G. MORRIS.
ICE CREAM MOLD AND DISHER.

No. 573,681.

Patented Dec. 22, 1896.

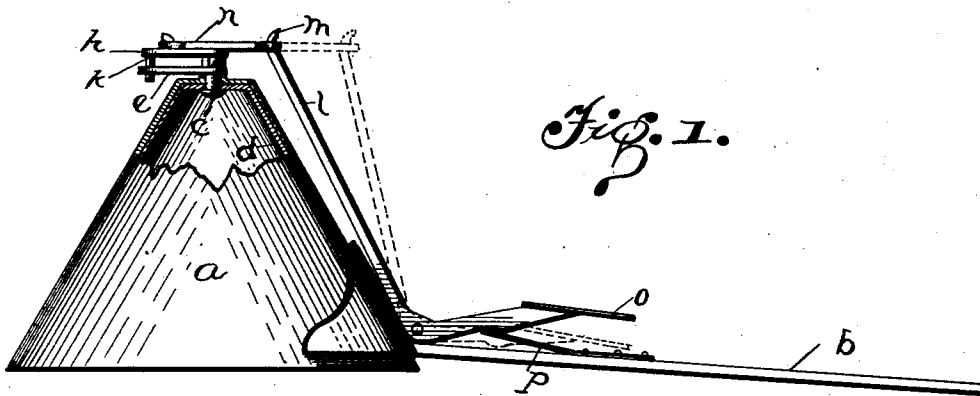


Fig. 1.

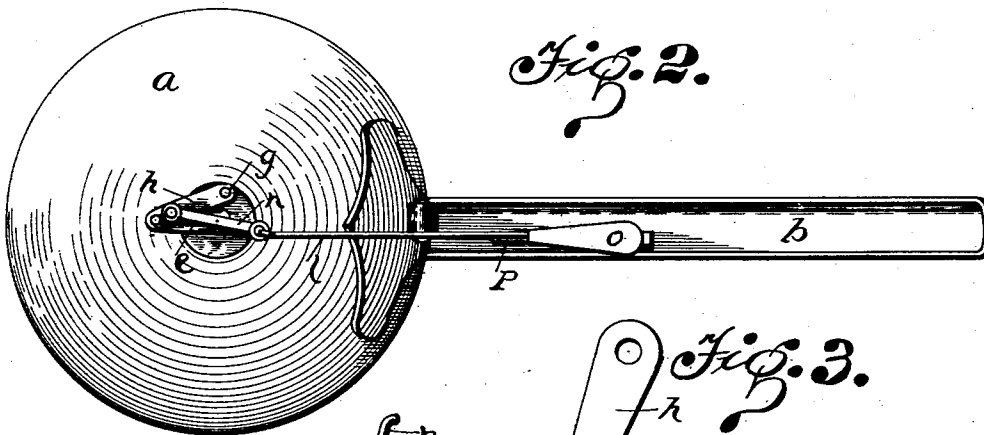


Fig. 2.



Fig. 3.



Fig. 4.



Fig. 6.

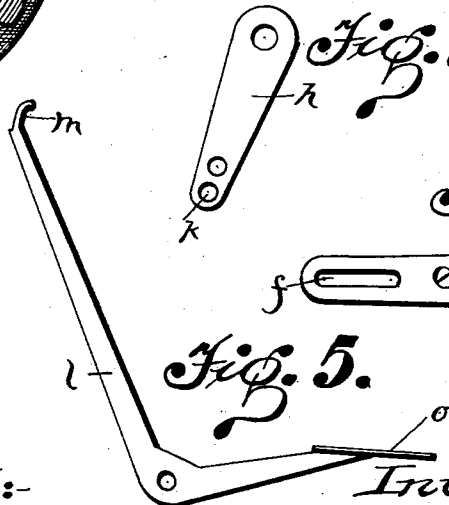


Fig. 5.

Witnesses:
A. R. Appleman Jr.
A. M. Mier,

Inventor.
Henry G. Morris.
By Henry C. Everett, Atty.

UNITED STATES PATENT OFFICE.

HENRY G. MORRIS, OF HOBOKEN, PENNSYLVANIA.

ICE-CREAM MOLD AND DISHER.

SPECIFICATION forming part of Letters Patent No. 573,681, dated December 22, 1896.

Application filed September 1, 1896. Serial No. 604,546. (No model.)

To all whom it may concern:

Be it known that I, HENRY G. MORRIS, a citizen of the United States of America, residing at Hoboken, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Ice-Cream Molds and Dishers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in dishers and molds, and has for its object to construct a disher and mold that can be conveniently and easily operated with one hand.

The invention further aims to provide a disher and mold of the above-referred-to class that will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture; furthermore, a disher and mold that will expedite the labor in using the same by reason of the rapid manner in which the same may be manipulated.

Still further objects reside in the novel construction, combination, and arrangements of parts to be hereinafter more specifically described, and particularly pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side elevation of my improved disher, partly in section. Fig. 2 is a top plan view of the same. Figs. 3 and 4 are plan views of the crank-arms. Fig. 5 is a side elevation of the operating-lever. Fig. 6 is a plan view of the connecting-link.

In the drawings, *a* indicates the mold, to which is secured the handle *b*. In the apex of the mold is secured a shaft *c*, carrying the cutters *d*, said shaft carrying on top of the mold a crank-arm *e*, having a slot *f*. On the top of the mold, to one side of the shaft *c*, is secured a pin *g*, to which is pivotally attached a crank *h*, carrying a pin *k*, engaging in the slot *f* of the crank-arm *e*. At the intersection of the handle and the mold an operat-

ing-lever *l* is pivotally secured, the upwardly-extending arm of which carries a hook *m*, engaging one end of a link *n*, the other end of said link being hooked to the crank *h*. The horizontal portion of the operating-lever carries a thumb-plate *o*, and is secured to the handle *b* is a spring *p*, the free end of which engages the underneath face of the horizontal arm of the operating-lever.

The operation of my improved disher and mold will be readily apparent from the views of the same that I have shown in the drawings; but in order to illustrate the same more clearly I will describe it further, and assume for the purpose of this illustration that the parts have all been secured in their respective positions.

The operator handles the disher in the ordinary manner and communicates motion to the cutters by depressing the horizontal portion of the operating-lever, thus causing the upwardly-extending arm of same to move to a more nearly vertical position, as shown in Fig. 1 in dotted lines, thus retracting the link and crank-arms and revolving the cutters to loosen the cream or other substance from the mold. When the pressure on the operating-lever is relieved, the spring *p* will return the same to its normal position, and the disher is again ready for operation.

By means of the double crank-arms a sufficient throw of the cutters is obtained, so that only two of these blades need be used, each blade covering one-half of the inner surface of the mold, and the parts may be readily substituted in case one becomes broken.

It will be noted also that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

In a disher and mold, the combination of the mold, a handle secured to said mold, cutters journaled in the apex of the mold, a slotted crank-arm secured upon the journal of the cutters at the top of the mold, a pin on said mold, a crank pivoted on said pin, said crank

carrying a pin engaging the slotted crank-arm, an operating-lever pivotally secured to the handle, a link connecting said lever and crank, and a spring secured to the handle beneath the operating-lever to return same to its normal position, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY G. MORRIS.

Witnesses:

A. M. WILSON,
H. E. SEIBERT.