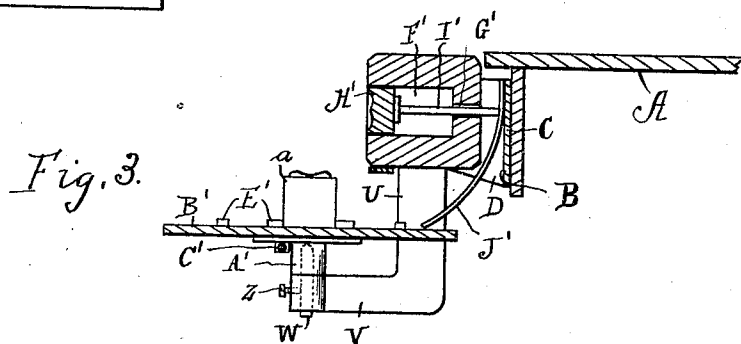
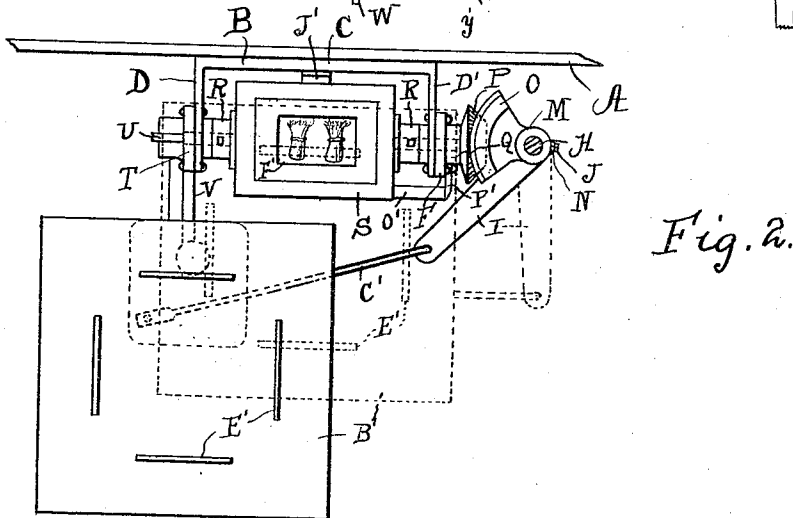
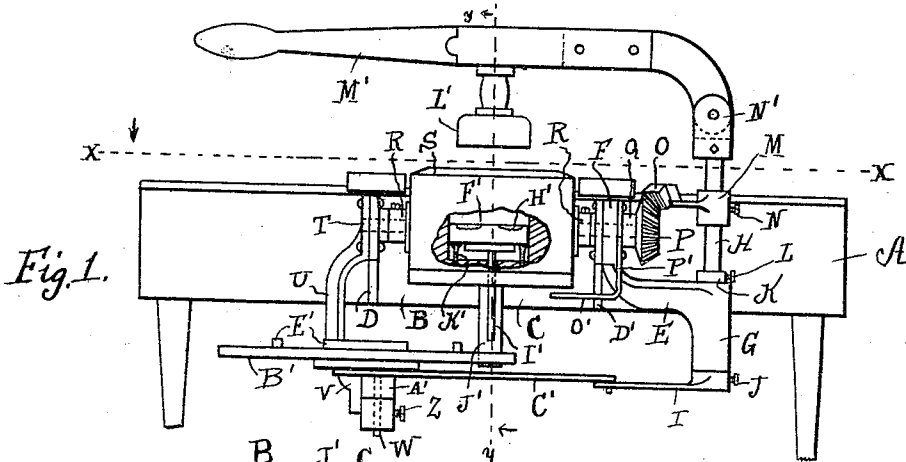


J. B. ROTZ.
BUTTER MOLD.
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1,007,045.

Patented Oct. 24, 1911.



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JOHN B. ROTZ, OF FORT LOUDON, PENNSYLVANIA.

BUTTER-MOLD.

1,007,045.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN B. ROTZ, a citizen of the United States, residing at Fort Loudon, in the county of Franklin and State of Pennsylvania, have invented a certain new and useful Improvement in Butter-Molds, of which the following is a specification.

My invention relates to new and useful improvements in butter molds and has for its object to provide a device of this character in which the butter may be readily and quickly removed from the mold and dropped upon the wrapping papers carried by the swinging table.

The device comprises a tiltable mold carried by a pair of shafts journaled in suitable brackets, one of said shafts having a beveled gear meshing with a gear carried by a rotatable vertical shaft which is operated by a handle, said handle also carrying the plunger for pressing the butter in the mold so that said handle is utilized to press the butter and to rotate the vertical shaft. The vertical shaft is provided with a rocker arm which is connected by a suitable rod to the swinging table, thereby drawing the table beneath the mold when the vertical shaft is rotated, at the same time tilting the mold and ejecting the butter, causing it to fall upon the table on which are resting a number of wrapping papers.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1, is a side elevation of my improved butter mold, a portion thereof being broken away to plainly show the construction. Fig. 2, a section at the line $x-x$ of Fig. 1, looking in the direction of the arrow and showing in dotted lines the position taken by the movable table when the mold is tilted, and Fig. 3, a section at the line $y-y$ of Fig. 1, looking in the direction of the arrow, a pat of butter being shown upon the movable table.

In carrying out my invention as here embodied, A represents a table on which is

fastened the mold, but this may be in any suitable device such as the side of a building or the like. To this table is fastened a frame B comprising a back plate C and bracket arms D and D'. To the bracket D' is secured one end of the gear bracket E having a horizontal bearing F and a vertical bearing G. In the vertical bearing is mounted a vertical rotatable shaft H and it is held in place by the rocker arm I, bolted to its lower end by a set bolt J and by a collar K, held in place by a set bolt L, said collar resting upon the upper surface of the vertical bearing G. On the rotatable shaft is also mounted an adjustable gear collar M held in position by a set screw N. This collar having formed therewith an integral gear section O meshing with the beveled gear P carried upon one end of the shaft Q, which is journaled in the bearing F. This shaft Q is fastened by means of an adjustable hub R to one side of the butter mold S, the opposite side of said mold being fastened by a similar hub to the shaft T and journaled in the table bracket U, said table bracket being secured to the bracket D of the frame B, said bracket U depending and having a right angled extension V in which is mounted a pivot pin W, being held in place by a set screw Z. On said pivot pin is mounted the pivot plate A' carried by the under side of the movable table B' and in proximity to one end of said table. To the under side of the table is also fastened one end of a rod C', the opposite end being attached to the outer end of the rocker arm I.

The movable table is provided with a number of upstanding ribs E' on its upper face which act as positioning members for the wrapping paper, a number of the sheets of the paper being placed in the space between the ribs so that when the butter is dropped thereon it will then be in position for wrapping.

The mold S is provided with a cavity F' from which leads an opening G', in the cavity is fitted a mold block H' having secured thereto a stem I' which passes through the opening G', its outer end contacting with the cam J', said cam being secured to the back plate C of the frame B and causing the mold block H' to move outward with the tilting of the mold. Within the cavity is also mounted a number of screws K' which may be adjusted up or down to limit the

movements of the mold block H', thereby regulating the size of the cavity F' so that said cavity will hold exactly a one pound butter print. The butter, after being placed within the mold, is pressed by a plunger L', carried by the under side of the handle M', said handle being pivoted to the upper end of the rotatable shaft H by a knuckle joint N'.

O' is a mold stop which lies beneath the butter mold and is provided with a shank P' whereby it may be attached to the gear bracket E.

From the foregoing description it will be seen that when the device is in the position shown in Figs. 1 and 2, the butter is placed in the mold and pressed by means of the plunger L' when forced down by the handle M'. After this operation is accomplished the handle L' is raised and moved to one side, thus rotating the vertical shaft H, causing the rocker arm I to move side-wise which will rotate the movable table B' upon its pivot point, bringing that beneath the mold. At the same time the gear section O will be operated, causing the shafts Q and T to revolve through the medium of the beveled gear P, thus tilting the butter mold S, and during the tilting movement the end of the stem I' will ride upon the cam J', forcing the mold block outward, ejecting the butter print a, and should the butter print be sticky and inclined to adhere to the mold block, it will be jarred loose when the side of the mold contacts with the mold stop O'.

Of course I do not wish to be limited to the exact details of construction as here shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

1. In a butter molding device, a frame, a mold tiltably journaled in said frame, a movable table, a vertical shaft, a handle carrying a plunger secured to the vertical shaft, means for transmitting a rotary motion from the shaft to the mold, and means for connecting said shaft with the movable table.

2. In a butter molding device, a frame, a mold tiltably journaled in said frame, a movable table, a vertical shaft, a handle carrying a plunger secured to the vertical shaft, a beveled gear connected with the

mold, a gear section carried by the vertical shaft and meshing with the beveled gear whereby the mold may be tilted when the vertical shaft is rotated, and means for connecting the movable table with the vertical shaft.

3. In a butter molding device, a frame, a mold tiltably journaled in said frame, a movable table, a vertical shaft, a handle carrying a plunger secured to the vertical shaft, a beveled gear connected with the mold, a gear section carried by the vertical shaft and meshing with the beveled gear whereby the mold may be tilted when the vertical shaft is rotated, a rocker arm carried by the lower end of the vertical shaft and a rod, one end of which is connected to the rocker arm and the opposite end to the movable table, whereby said table may be drawn beneath the mold when the vertical shaft is rotated.

4. In a butter mold, a frame, a tiltable mold provided with a cavity and having an opening leading therefrom, a mold block mounted within the cavity, a stem carried by the mold block and passing through the opening in the mold, and means for forcing the stem inward during the tilting of the mold.

5. In combination with a butter molding device comprising a frame and a tiltable mold, a mold stop carried by the frame and underlying the mold, the side of the mold adapted to come in contact with said mold stop when tilted, causing the sticky butter print to be jarred loose.

6. In combination, a frame, a tiltable mold journaled in said frame, a pivoted table, a vertical shaft, means for transmitting motion from said shaft to the mold, means for transmitting motion from the same shaft to the table, causing said table to move toward the mold simultaneously with the tilting of said mold when the shaft is rotated, a handle for rotating said shaft, and ribs formed with the upper surface of the table acting as stops for the wrapping paper.

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

JOHN B. ROTZ.

Witnesses:

JOHN ZLIS,
JOHN HAUN.