Jan. 3, 1933. H. E. WELTY 1,892,861

SLICING MOLD

Filed Sept. 29, 1931 2 Sheets-Sheet 1

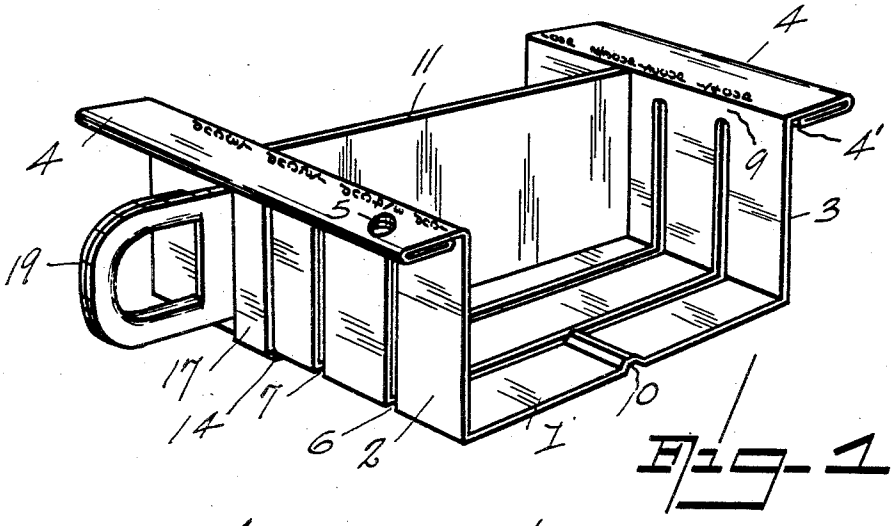



Fig. 1

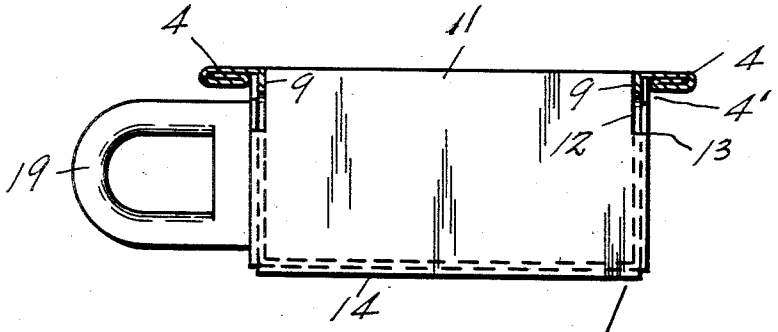



Fig. 2

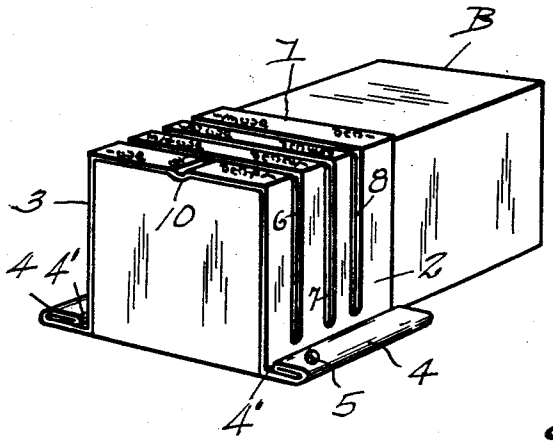



Fig. 3

INVENTOR
Helen E. Welty
BY
Smith & Tuck
ATTORNEYS

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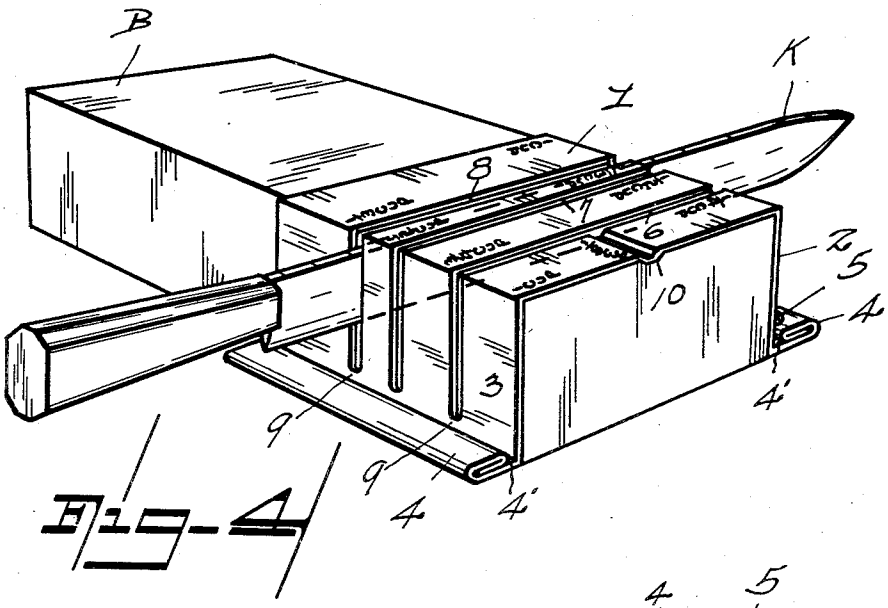



Fig-4

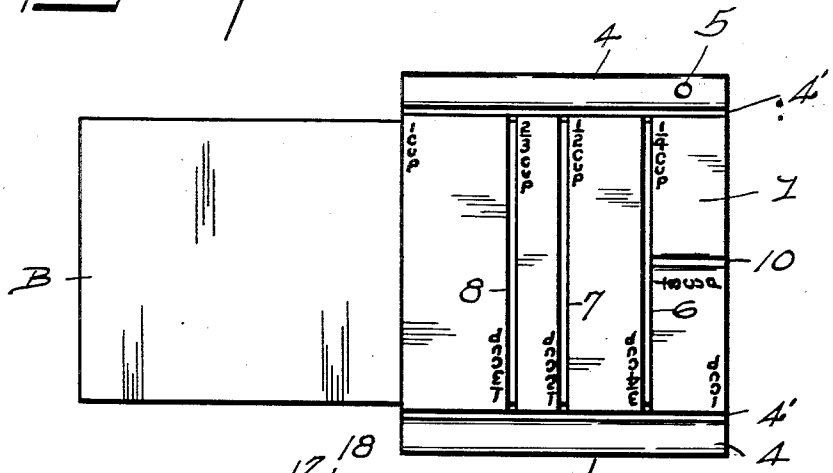



Fig-5

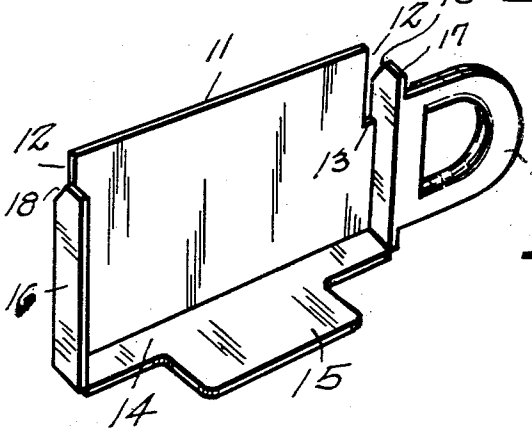



Fig-6

INVENTOR
Helen E. Welty
BY
Smith & Tuck
ATTORNEYS

Patented Jan. 3, 1933 1,892,861

# UNITED STATES PATENT OFFICE

HELEN B. WELTY, OF SEATTLE, WASHINGTON

## SLICING MOLD

Application filed September 29, 1931. Serial No. 565,855.

My present invention relates to improvements in slicing molds for use in molding, measuring and slicing plastic materials. While the device of my invention is applicable for use, and may be employed in connection with the molding, measuring and slicing of various plastic materials, it is particularly adapted for use in the culinary art with which to mold, measure and slice butter, lard etc., either in bulk, or in the packed-brick form or shape.

The primary object of the invention is the provision of a culinary implement, which is convertible and reversible for various uses, and which is inexpensive in cost of manufacture, simple in construction, durable and sanitary, and by means of which the butter or lard may with accuracy, be molded and sliced as required.

In carrying out my invention I employ a holder in which the plastic material is molded, and in which it is retained while being measured and sliced, and in combination with the holder or mold I utilize a removable and adjustable, combined gage-plate and backing plate by means of which a quantity of butter from a bulk is measured and molded, and may then be sliced.

The invention consists in certain novel combinations and arrangements of parts as will hereinafter be more fully set forth and claimed. In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention wherein the parts are combined and arranged according to the best mode I have thus far devised for the practical application of the principles of my invention.

Figure 1 is a perspective view of the mold or holder in position to receive a quantity of butter to be measured and molded.

Figure 2 is a transverse vertical sectional view of the mold in Figure 1 showing the gage-plate or backing plate in full lines.

Figure 3 is a perspective view showing the hold or holder in inverted position and retaining a brick or block of butter, ready for slicing.

Figure 4 is a perspective view showing a knife in use for slicing a brick of butter.

Figure 5 is a top plan view of the implement as in Figure 4.

Figure 6 is a perspective view of the removable and adjustable gage-plate or backing plate used when molding the butter.

In the preferred form of my invention I utilize an invertible or reversible mold or holder, fashioned from sheet metal, as aluminum, with open ends, and with an open bottom or open top, depending upon the use to which the device is put, as indicated in Figures 1 and 4. The mold or holder thus constructed is provided with a horizontal plate 1 that is fashioned with the two side walls 2 and 3 perpendicular to the horizontal plate, and the free edges of these side walls are turned outwardly and crimped to form horizontal, reinforcing flanges 4, 4, with spaces 4′ provided between the inner edges of the flanges and the side walls.

One or both of the flanges may be provided with a suspending hole 5 by means of which the mold or holder may be hung up on a hook when not in use, but readily accessible when required.

The holder or mold is thus fashioned U-shaped in cross section, and the body of the mold is fashioned with a number of slots (here shown as three) indicated as 6, 7, and 8 that extend through the horizontal plate, through the major portions of the side plates, and terminate a spaced distance from the flanged edges of the mold to provide strengthening portions 9.

The several slots are spaced apart at predetermined intervals in order that the butter brick B may be sliced by the knife K into sections or portions of various sizes, and the slots are designated as "one cup", "three quarters cup", "one half cup", and "one third cup" to measure and indicate the quantity of butter or lard to be used with a complementary portion of another ingredient that is to be used in baking, cooking, or otherwise preparing foods and food products.

For a further accurate division of the butter brick, and for marking the molded bulk, or the butter brick, I provide a rib 10 in the horizontal plate 1, disposed transversely of the slots, and it will be apparent that this rib

or marker may be used not only to mark a center line on the brick or bulk, but the quantity of butter for use with one quarter of a cup of an ingredient may again be divided or marked for two eighths, as a sample of the use of this rib.

As shown in Figures 1 and 2, in combination with the mold or holder, I employ a removable and adjustable gage plate or backing plate 11, preferably of aluminum, and of a size and shape to fit neatly in a selected one of the slots 6, 7, and 8 of the mold or holder, for use in measuring, packing and slicing quantities of butter from a bulk, as distinguished from the brick B. As shown in Figure 1 the gage plate 11 forms a back wall for the mold in which the desired quantity of butter is packed, and the flanges 4, 4, are used as guides for smoothing and leveling the top face of the molded quantity of butter, and it will be apparent that by the use of the knife K for smoothing and leveling the butter, a rectangular block may be molded. The flanges 4, 4, and the edges of the plate 1 and side walls 2, 3, are used as guides for the knife in packing the brick and molding it in the mold or holder.

The gage plate 11 may be used in any one of the slots 6, 7, or 8 depending upon the size of the quantity of butter to be molded, and it is slipped into the slot from below the horizontal plate 1 so that the plate will gage the size of the brick to be molded and also act as a back wall for the mold.

At its opposite ends, the corners of the gage plate are cut away at 12 to form shoulders 13, and as seen in Figure 2 these cut away edges compensate for the strengthening portions 9 of the side walls 3 and 2, and permit the plate to have a close joint with the walls at the ends of the plate.

A base plate 14 is also fashioned along one of the longitudinal edges of the gage plate, which base plate is positioned in a plane at right angles to the plane of the gage plate, and is pushed up flat against the under side of the horizontal plate 1 at a guide, and for use in retaining the gage plate in proper position in its slot. In Figures 1 and 2 the mold is supposed to be resting upon a flat table and the base plate closes the lower portion of the slot in which the gage plate is set. In Figure 6 a handle or flange 15 is shown on the gage plate, which flange projects therefrom, or from the base plate in such manner that it may be used as a thumb rest in holding the mold in position while the butter is being packed in the mold.

For closing the two upright portions of the slots in the side walls 2 and 3, and for securing the gage plate in the slot, I provide the two upright end plates 16 and 17, at the opposite ends of the gage plate, and these end plates fit against the exterior faces of the slotted side walls of the mold. The upper ends of these two upright end plates are beveled as at 18, and these beveled ends of the end-plates fit into the complementary spaces 4′ between the inner edges of the flanges 4 and the side walls of the mold, to assist in holding the gage plate in rigid position, while the butter is being molded.

At one end the gage plate is fashioned with a looped handle 19 by means of which the plate may be suspended from a hook when not in use.

After the predetermined quantity of butter has been molded in the implement of Figure 1, it may be sliced by use of the knife K, and the desired guide slot 6, 7, or 8, and as indicated in Figure 4, the mold with its contained butter is inverted or reversed as to position and placed upon a table, or other flat surface, to facilitate the slicing of the butter.

When a brick is to be sliced, as in Figure 4, the holder is placed over the complementary brick, as indicated, and the knife is used for slicing, then the sliced portion may be picked up, by compressing, slightly, the two side walls 2, 3, for the purpose of clasping the cut portion of butter, thus avoiding contact of the fingers with the butter. The sliced portion may be released, by releasing the finger pressure on that part of mold which forms the holder for the sliced portion, while the remainder of the brick may be clasped in the remaining portion of the mold. The resilient nature or characteristic of the sheet metal, as aluminum, permits this manipulation of the holder or mold for sanitary handling of the butter or other similar material.

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

1. The combination in a reversible, slotted, slicing mold comprising a horizontal plate and a pair of perpendicular, parallel side walls, in which the slots are located, of a removable and adjustable gage-plate fitted in one of said slots and adapted to form a back wall of the mold, a base plate, and a pair of upright end plates on the gage plate, exterior of the mold for closing said slot, exterior of the mold.

2. The combination in a reversible slicing mold comprising only a horizontal plate, a pair of perpendicular side walls and a pair of lateral flanges parallel with the horizontal plate, said mold having a plurality of slots in the horizontal plate extending into the side walls and terminating adjacent the edges of said walls, of a removable gage plate fitted into one of said slots and having cut-away ends to compensate for the fore-shortened slot.

3. The combination in a sliding-mold as described having lateral flanges and side walls and a space between said flanges and walls, of a removable gage plate having ex-

terior upright ends fitted into said spaces, and a base plate, said ends and base plate adapted to close the slot in which said gage plate is seated.

In witness whereof, she hereunto subscribes her name this 22nd day of September, A. D. 1931.

HELEN E. WELTY.