No. 799,436. PATENTED SEPT. 12, 1905.

E. J. BARIL.

BUTTER MOLDING DEVICE.

APPLICATION FILED JUNE 9, 1905.

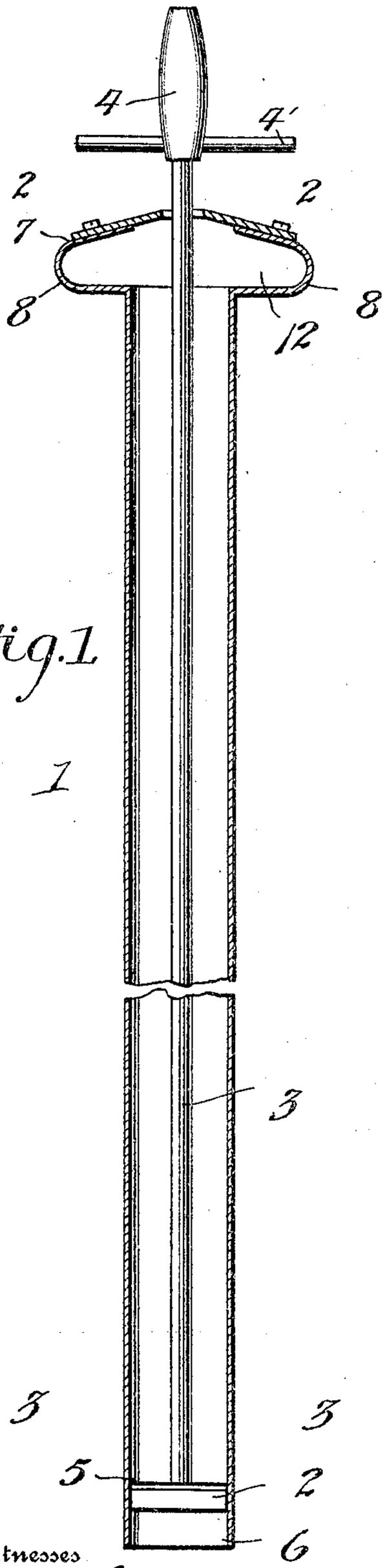

Fig. 1

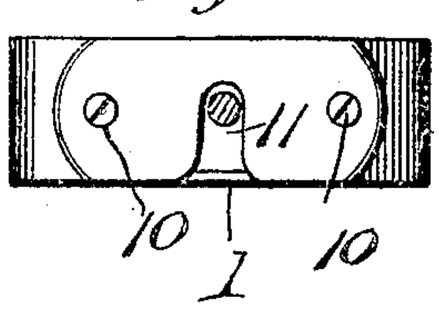

Fig. 2.

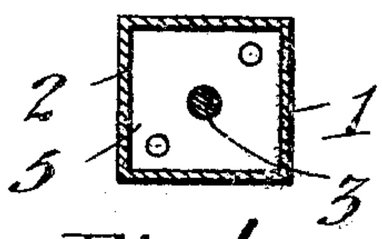

Fig. 3.

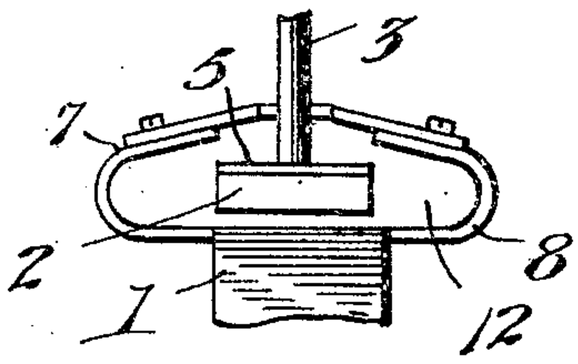

Fig. 4.

Witnesses

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EDWARD J. BARIL, OF CHICAGO, ILLINOIS.

BUTTER-MOLDING DEVICE.

No. 799,436. Specification of Letters Patent. Patented Sept. 12, 1905.

Application filed June 9, 1905. Serial No. 264,498.

To all whom it may concern:

Be it known that I, EDWARD J. BARIL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Butter-Molding Devices, of which the following is a specification.

This invention relates to improvements in butter-molding devices, the object of the invention being to provide a simple, convenient, and inexpensive device of this character by which ordinary tub-butter may be readily molded into a strip of a desired cross-sectional form, so that it may be readily cut into prints or pats for convenience of table use in hotels, restaurants, and other places using individual pats.

Another object of the invention is to provide a butter-molding device which reduces necessary handling of the butter to the minimum and effectually prevents waste.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal section of the improved butter-molding device. Fig. 2 is a section on the line 2 2 of Fig. 1 looking toward the head of the molding-tube. Fig. 3 is a cross-section through the tube on the line 3 3 of Fig. 1; and Fig. 4 is an enlarged elevational view of the headed end of the tube, showing the piston or plunger adjusted to the position for insertion or removal.

Referring now more particularly to the drawings, the numeral 1 represents a butter-molding tube or cylinder, within which is adapted to operate an expressing plunger or piston 2, connected with an operating-rod 3, provided at its outer end with a suitable manipulating-handle 4, carrying a cross-bar 4′. The plunger 2 may be made of any suitable material, but is preferably formed of wood or some other suitable non-rusting material fixed to a metallic head or plate 5, carried by the rod or stem 3.

The tube 1 may be of any desired cross-sectional form, but is shown in the present instance as of rectangular form to produce a column or strip of butter of corresponding cross-sectional shape, so that it may be cut to produce individual rectangular pats. The tube has an open eduction end 6, through which the column of butter is discharged or expressed, and is provided at its opposite end with a head or guiding member 7, laterally projected beyond opposite sides thereof, so as to have an increased width or area with respect to the tube for the proper insertion and removal of the plunger 2. This head is composed of a pair of wings 8, preferably formed integral with the end of the tube and extending laterally therefrom at right angles thereto and thence bent upwardly and inwardly into substantially U form, the free ends of the wings terminating substantially in line with the side walls of the tube. The said free ends of the wings are connected by a bridge-plate 9, secured by suitable fastenings 10 thereto and formed intermediate of its length, and between the wings with a slot 11, opening through one side thereof. This slot is adapted to receive and form a guide-passage for the plunger rod or stem 3, while the head 7 provides a chamber 12 of sufficient dimensions to receive and permit of the ready insertion and removal of the plunger 2. In order to remove the plunger, the rod 3 is drawn outward to the limit of its movement until the plunger passes out of the tube into the chamber 12, whereupon the plunger and stem may be detached by a lateral movement. A reversal of this operation will position the plunger for reapplication to the tube, into which it may be forced by sliding the stem 3 inward.

In operation the plunger and its stem are withdrawn from the tube and the latter forced with its end downward into the body of butter in the tub, whereby the tube will be filled with butter. The plunger and stem are then applied, the tube laid on its side on a board or table, and the plunger forced inward by means of the handle 4 to express or discharge the column of butter. The butter may then be cut into pats of the desired thickness and stored or wrapped in suitably-prepared paper for use as desired.

The purpose of the cross-bar 4′ on the handle is to form a guard or stop to prevent slipping of the hand on the handle when the plunger is operated to express the strip of butter from the tube.

In practice the tube will be made of some suitable metal, nickel-plated or otherwise treated to prevent rusting and contamination of the butter, and it will be observed that by the described construction of the tube and method of filling it with butter handling of the butter during the filling operation is obviated. The head 7 as constructed not only forms a guide and support for the plunger-rod, but facilitates the entrance and removal of the plunger, as will be readily understood, and

may also be employed as a handle to enable the tube to be readily inserted in and withdrawn from the butter.

Having thus described the invention, what is claimed as new, is—

1. A butter-molding device comprising a molding-tube open at one end and provided with a guiding member at the opposite end, a plunger adapted to operate within the tube, and a stem connected with the plunger and adapted to be guided by said guiding member, the stem and guiding member being so connected as to permit of the insertion and removal of the plunger and stem without disconnecting said guiding member from the tube, substantially as described.

2. A butter-molding device comprising a molding-tube open at one end and provided with a guiding member at its opposite end, said guiding member having a guide-slot and arranged to form a chamber between it and the tube, a plunger adapted to operate within the tube, and a stem connected with the plunger and adapted to occupy said guide-slot and be inserted therein and withdrawn therefrom by lateral movement, whereby the formation of the chamber by the said guiding member provides for the ready application and removal of the plunger, substantially as described.

3. A butter-molding device comprising a molding-tube open at one end and provided with a head or guiding member at its opposite end, said head comprising curved wings and a connecting bridge-piece provided with a slot, a plunger adapted to operate within the tube, and a stem connected with the plunger and adapted to be guided by said slot, the wings of the head being arranged to form a space to permit of the insertion and removal of the plunger by a lateral movement, substantially as described.

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

EDWARD J. BARIL.

Witnesses:

E. A. EVES,

H. C. HARNISH.