

(No Model.)

L. L. MIVELAZ.
BUTTER MOLDING AND CUTTING DEVICE.

No. 523,584.

Patented July 24, 1894.

Fig. 1.

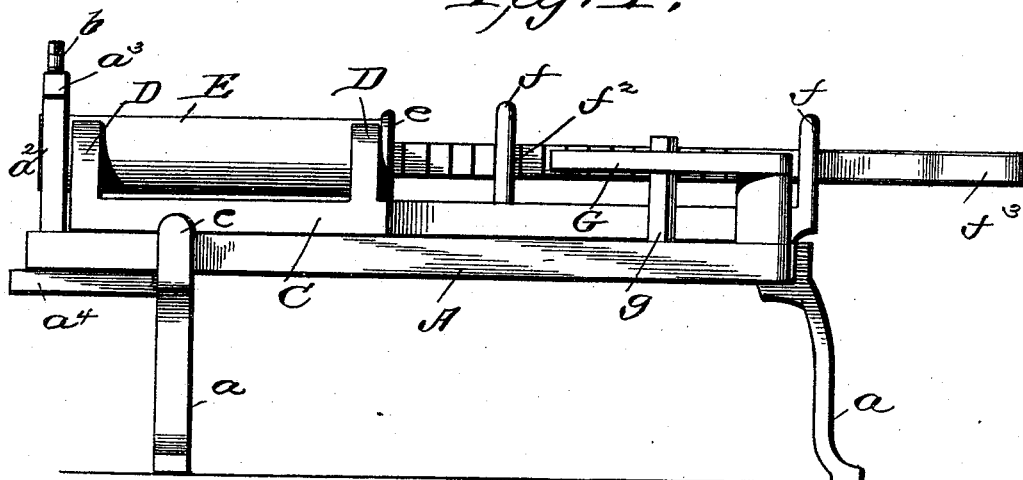


Fig. 2.

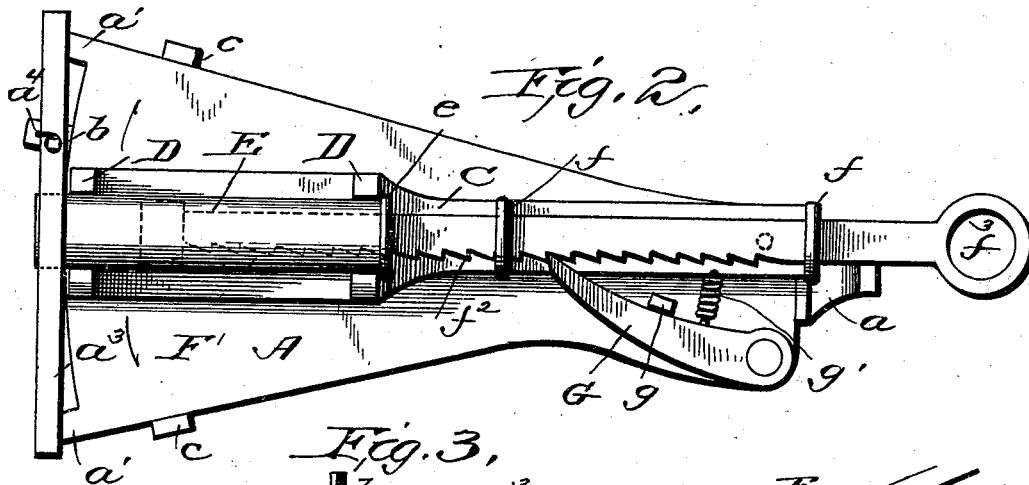
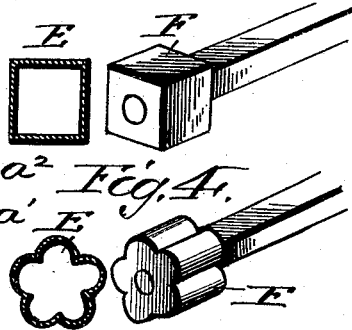
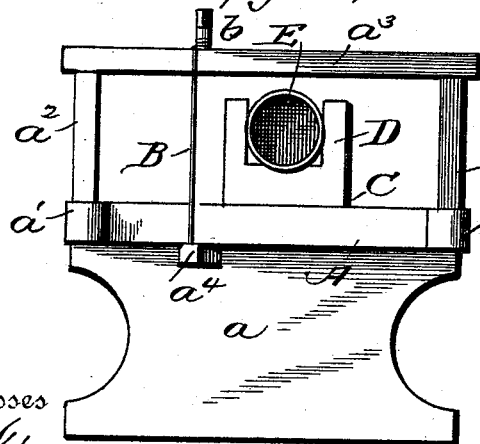


Fig. 3.



Witnesses

Wm. H. Shelden
Charles Brock

Inventor

Louis L. Mivelaz.

By

R. H. P. Lacey
Attorneys

UNITED STATES PATENT OFFICE.

LOUIS LUCIAS MIVELAZ, OF VICKSBURG, MISSISSIPPI.

BUTTER MOLDING AND CUTTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 523,584, dated July 24, 1894.

Application filed May 12, 1894. Serial No. 511,052. (No model.)

To all whom it may concern:

Be it known that I, LOUIS LUCIAS MIVELAZ, a citizen of the United States, residing at Vicksburg, in the county of Warren State of Mississippi, have invented certain new and useful Improvements in Butter Molding and Cutting Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is an improved butter molding and cutting apparatus and is intended for family or hotel use.

The object of the invention is to provide a simple device for molding the butter into any suitable shape and also for cutting off a definite quantity and a further object is to provide for the automatic feeding of the butter through the molding tube so that by operating the device to cut the print the butter will be automatically forced out of the molding tube to the cutter.

With these objects in view my invention consists broadly in a molding tube arranged to swing back and forth past a cutting wire and provided with a plunger for feeding the butter through said tube as it is swung back and forth.

The invention consists also in certain details of construction and combination of parts all of which will be fully described hereinafter and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved device. Fig. 2 is a top plan view. Fig. 3 is an end view. Fig. 4 is a detail view showing the various forms of molding tube and plunger.

In carrying out my invention I employ a horizontal base or support A which is preferably made of wood, triangular in shape and is usually mounted upon legs or standards a although such elevation is not at all necessary. At the broad end of the base are formed two projections a' a' and between these projections the end is curved in the arc of a circle. Extending upward from each projection a' is a post a^2 and connecting said posts a^2 is a horizontal cross piece a^3 said posts and cross piece constituting a frame which is intended to support the cutting wire B said wire being fastened at its upper end to a pin

b fixed in the piece a^3 , the opposite end of said wire being secured to an arm a^4 secured beneath the base piece A. By means of the screw pin b the wire can be tightened as desired by simply turning the screw.

A swinging member or beam C is pivoted upon the base A at its narrow end said member or beam being intended to swing back and forth upon its pivotal bolt the full width of the base, said beam being limited in its movements by means of the stop pieces c secured to the sides of the base at the broad end.

Saddle blocks D D are mounted upon the beam C near its free end and seated in said blocks is the molding tube E which may be of any desired form in cross section and is provided with a flange or bead e at its inner end. Working in this tube E is a plunger or piston F mounted upon the end of a rod F' which works through the guides f mounted also upon the beam C. Upon one face of the piston rod F' are cut a series of ratchet teeth f^2 and pivoted upon the base piece A to engage said toothed rod is a pawl G said pawl being normally held against a stop post g by means of a spring g' connecting said pawl and swinging member. The piston rod is formed with a suitable handle f^3 by means of which it can be manipulated.

This device though preferably constructed of wood may be made of any suitable metal and can be cast or made in any preferred manner. The device can also be operated in a horizontal or vertical position but in practice I prefer to securely fasten it to a table.

Now in operation any number of tubes can be forced down into a ferkin of butter and tightly filled. The tubes thus filled are usually placed in cold water to harden the butter and if desired the butter can be kept in a refrigerator within the tubes said tubes being perfectly tight and exclude all fumes or odors which usually are prevalent in refrigerators. When it is desired to cut the butter into pieces for individual service the piston is drawn back and the tube placed in the saddle blocks the piston is then pushed in until it presses upon the butter within the tubes. The swinging member is then swung back and forth as indicated in dotted lines and as it does so the portion of butter projecting beyond the end of tube is cut off by means

of the cutting wire and as said member swings across the base the ratchet faced rod is brought into engagement with the pawl and the consequence is that the piston is forced into the tube a definite distance and a definite amount of butter is fed from the end of tube ready to be cut off at the next movement of the beam. The butter after it is cut drops into a dish or other receptacle placed beneath the cutting wire. By having the tubes and pistons made in various shapes varying shapes and prints can be cut.

The device can be constructed upon a larger scale if desired and employed by merchants as a combined cutting and weighing device, the ratchet faced rod being so graduated that it feeds a definite weight at each operation.

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

1. In a device of the character described the combination with a base, of a fixed cutting wire, a swinging member, pivoted upon said base, a molding tube mounted upon said swinging member, and adapted to be swung across said cutting wire and a piston for feeding the butter from said tube to the cutting wire, substantially as shown and described.

2. In a device of the character described the combination with a base and fixed cutting wire of a swinging member or beam the molding tube thereon, the piston for feeding the butter and means for moving said piston forward as the tube is swung back or forth past the cutting wire, substantially as shown and described.

3. In a device of the character described the combination with a base of a fixed cutting wire, the swinging member, the molding tube carried thereby, the piston and ratchet faced rod, and the pawl for engaging said rod as the

member is swung back and forth, substantially as shown and described.

4. In a device of the character described the combination with a swinging member, of the molding tube, mounted thereon, the piston and ratchet faced rod, the spring actuated pawl, adapted to engage said rod, and the fixed cutting wire arranged in front of the molding tube, substantially as shown and described.

5. In a device of the character described the combination with a base, of the frame, the cutting wire supported thereby, a swinging member, a molding tube carried thereby, the piston and rod, also carried by said member, and means carried by the base for moving said piston and rod into the tube as said member is swung back and forth upon the base, substantially as shown and described.

6. The combination with a support or base, of a swinging member or beam pivoted thereon, a molding tube held upon said swinging member or beam, the saddle blocks between which said tube is held, the piston adapted to enter said tube, the rod of said piston working in guides carried by the swinging member, and provided with ratchet teeth upon one side, a pawl pivoted upon the support or base and adapted to engage the ratchet face of the rod, the spring for operating said pawl, the stop for limiting the motion of said pawl, a frame arranged at the end of base adjacent to the outer end of the tube and a cutting wire supported by said frame to cut the butter as the tube is swung past said wire, substantially as shown and described.

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

LOUIS LUCIAS MIVELAZ.

Witnesses:

ED. NOWLAND, Jr.,

H. Z. CHURCHILL.