

W. S. ALEXANDER.  
Butter-Mold.

No. 215,856.

Patented May 27, 1879.

Fig. 1.

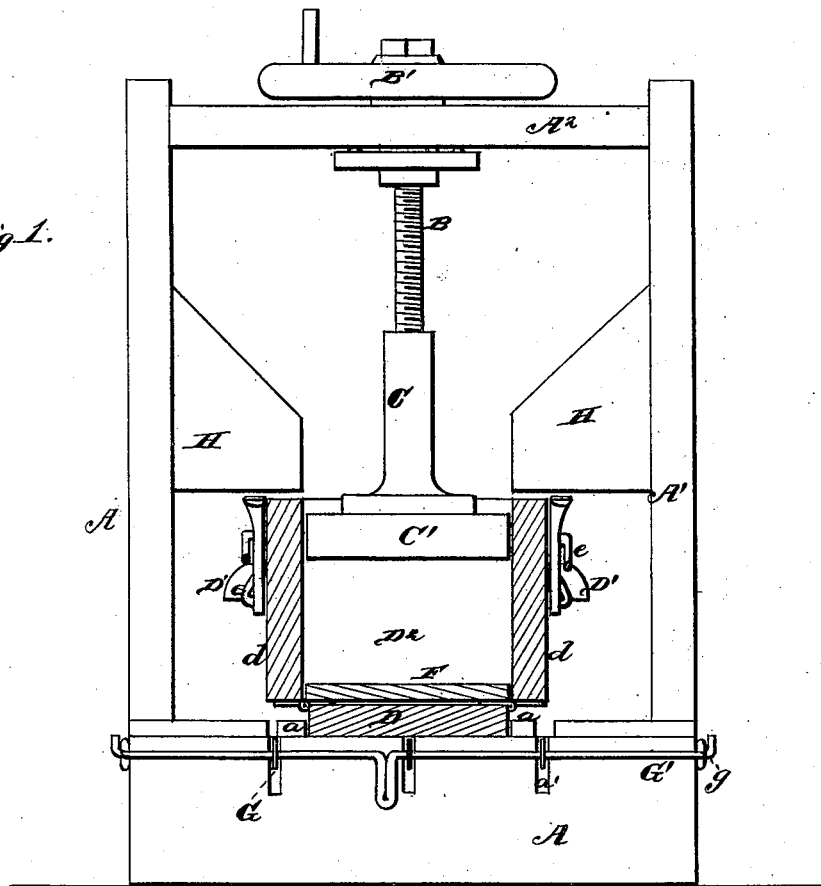
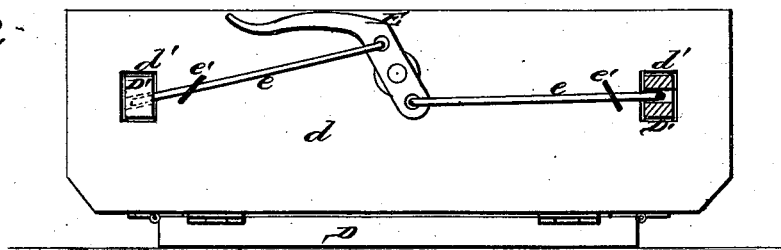


Fig. 2.



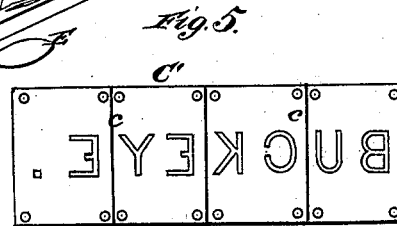
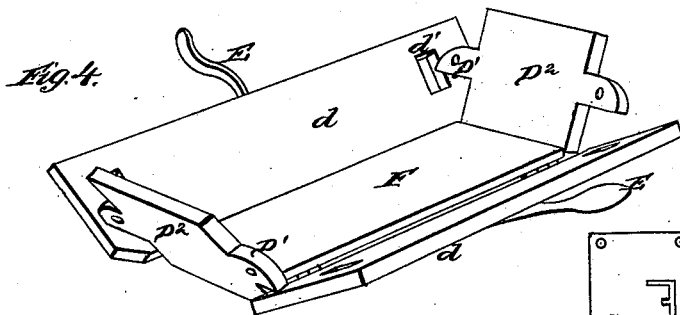
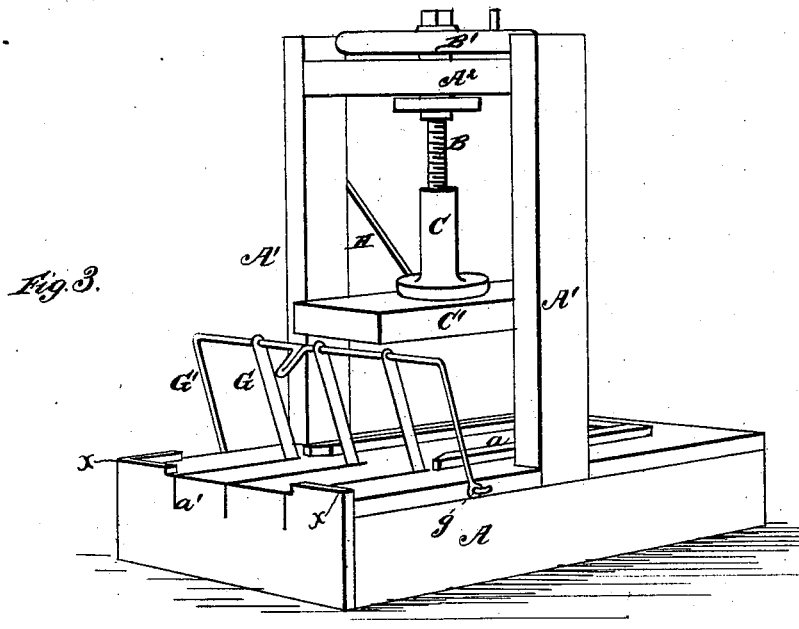
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By *John W. Smith & Co.*  
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# UNITED STATES PATENT OFFICE.

WINFIELD S. ALEXANDER, OF MARYSVILLE, OHIO.

## IMPROVEMENT IN BUTTER-MOLDS.

Specification forming part of Letters Patent No. **215,856**, dated May 27, 1879; application filed November 23, 1878.

*To all whom it may concern:*

Be it known that I, WINFIELD S. ALEXANDER, of Marysville, in the county of Union and State of Ohio, have invented a new and valuable Improvement in Butter-Molds; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a side elevation, partly in section. Fig. 2 is a side elevation of the butter-case. Fig. 3 is a perspective view showing the case removed. Fig. 4 is a perspective view of the case open, and Fig. 5 is a bottom view of the follower.

My invention relates to a device for pressing, stamping, and dividing butter; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth.

In carrying out my invention I employ a suitable base and frame. Within an upper cross-bar I journal a screw-threaded shaft having an operating crank-wheel above. This screw-shaft operates within a threaded sleeve rigid with a follower, which operates in a box having falling hinged sides and ends. Locking-rods, operated by ingenious thumb-levers, secure both sides and ends in a closed condition.

The box is removable, and when under the press is retained in position by guides, so as to register correctly with the follower. The follower on its lower surface is provided with creases at equal distances apart and from the ends, which creases serve to mark the butter in equal quantities.

Any suitable design, ornamentation, or letters may be formed upon the face of the follower, so as to properly stamp the butter.

Cutting-knives, hinged to and operating in recesses in the base, are arranged to correspond with the creases in the follower.

Referring to the drawings, A represents the base, having standards A<sup>1</sup> and cross-bar A<sup>2</sup>, forming the frame of my device. Upon the base A are guides *a*, as shown.

Journalled in the cross-bar A<sup>2</sup> is a vertical

screw-shaft, B, which revolves in said cross-bar, and it is provided above said cross-bar with a crank-wheel, B'. This screw-shaft B operates in a threaded sleeve, C, upon a follower, C', having upon its face surface-creases *c*, as shown.

D represents the base of a box, to which are hinged falling sides *d d*, having perforations *d' d'*, which receive lugs D<sup>1</sup> D<sup>1</sup> upon the ends D<sup>2</sup> D<sup>2</sup>, also hinged to the base D. These lugs D<sup>1</sup> are perforated to receive locking-rods *e*, which, passing through guides *e'*, are connected to a thumb-lever, E, in such a manner that by moving the said lever up and down the locking-rods will be operated in opposite directions. When the thumb-lever is up the rods are withdrawn from the perforations in the lugs D<sup>1</sup> and both sides and ends are released and fall to a horizontal position.

F represents a removable false bottom, upon which the butter is placed. This box rests between the guides *a* on the base, and registers with the follower C'.

G represents a gang of knives, operated in recesses *a'* in the base A by one lever, G', hinged to the base A at *g*. Gages *x* facilitate the placing of the butter in such a manner upon the base A that the knives G will register correctly with the ridges on the butter formed by the creases *c*.

Guide-wings H upon the standards A' serve to keep the follower in a proper relative position with the box, and also prevent the box from rising.

The operation of my device is as follows: As shown the box is adapted to hold four pounds of butter. I place the box complete upon the scales and weigh it, then add four pounds to the weights, and put butter in the box until it balances, then slide the box in the guides *a*, and turn down the follower, which presses, stamps, and marks the butter in one-pound divisions. I then screw up the follower and withdraw the box, elevate the thumb-levers E, allow the sides and ends to fall, remove the butter with the false bottom F, raise the gang of knives, place the butter on the cutting-plate according to the gage, depress the knives until they sink into the recesses *a'*, when the but-

ter is formed into one-pound prints ready for the market.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a butter-worker, the base A, provided with recesses *a'* and gage *x*, in combination with the knives G, operated by the lever G', hinged at *g*, substantially as and for the purpose set forth.

2. The box composed of the base D, hinged

sides *d d'*, and ends *d D'*, in combination with the locking-rods *e* and thumb-lever E, as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WINFIELD S. ALEXANDER.

Witnesses:

JAMES SMITH ALEXANDER, Jr.,

LEANDER PIPER.