(No Model.)

W. B. THOMSON.

APPARATUS FOR FILLING BOXES.

No. 587,083. Patented July 27, 1897.

Fig. 1.

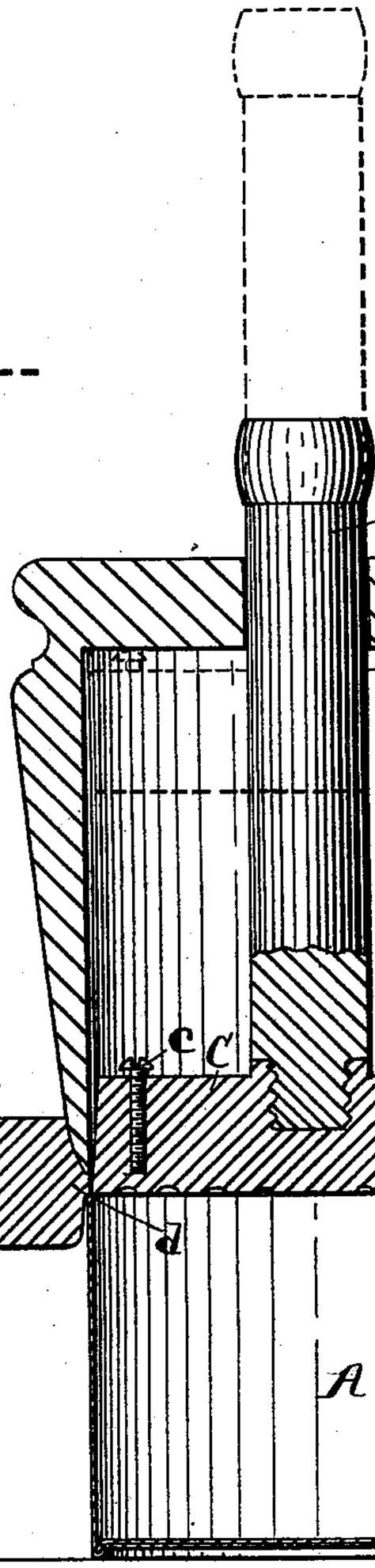
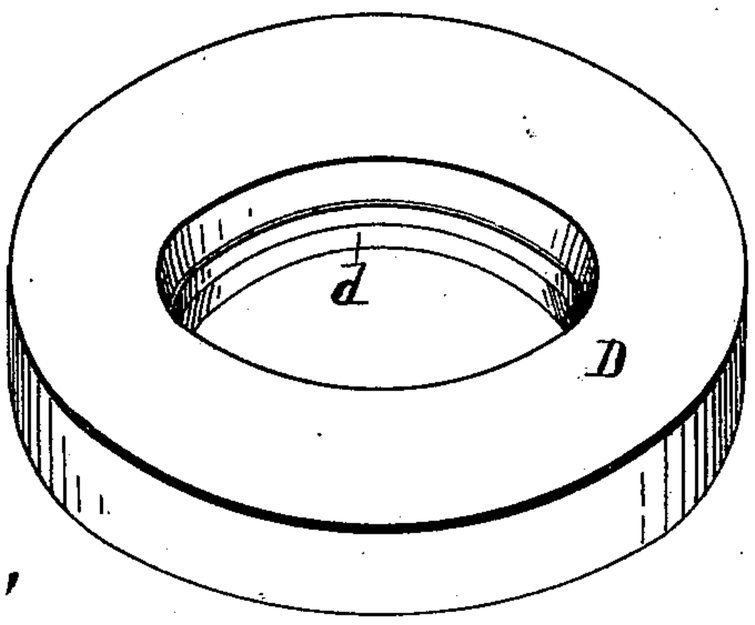


Fig. 2.



WITNESSES

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APPARATUS FOR FILLING BOXES.

SPECIFICATION forming part of Letters Patent No. 587,083, dated July 27, 1897.

Application filed October 5, 1896. Serial No. 607,872. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. THOMSON, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in an Apparatus for Filling Boxes; and I 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, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object an apparatus for filling boxes, the same being especially adapted for filling butter-boxes with butter in a simple and expeditious manner; and it consists of the construction, combination, and arrangement of devices hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in vertical section illustrating my invention. Fig. 2 is a detail view in perspective of the support D.

I carry out my invention as follows:

A represents any suitable box to be filled.

B represents a cylinder or chambered body, open at its lower extremity, provided within the chamber B′ with a reciprocatory head or piston C, with which is engaged an operating handle or rod C′, said handle or rod projecting through the upper end of said body or cylinder, as shown in the drawings. The piston or head I prefer to have a screw-threaded connection with the lower end of said handle or to have said head otherwise adjustably connected with said handle.

D represents a rest or support constructed with an opening of a diameter equal to the inner diameter of the box. The said rest or support is preferably constructed with an inner peripheral flange *d* to rest upon the upper edge of the box, the rest projecting outward about the upper edge of said box and also above and below the upper end of the box, so that it may be readily slipped over the upper edge of the box and held in place thereupon. The inner flange *d* forms also a seat for the lower edge of the cylinder or body B, said rest or support projecting upward about the lower edge of the cylinder, so as to hold the cylinder firmly in position when in engagement therewith.

The operation of the device will be readily understood.

The cylinder or chambered body B is filled with the desired quantity of butter or other material and is then inverted and its open edge inserted into place within the rest or support D, the edge of the cylinder resting upon the flange *d*, which said flange may be extended flush with the inner surface of said cylinder. Of course in filling the cylinder or chambered body B the head or piston C is drawn up against the closed head B^2 of said cylinder. When the cylinder is thus in place upon the rest or support D, said head or piston is then forced downward, driving the contents of the cylinder or chambered body B into the box. By making the head C adjustable upon the handle the quantity of material to be filled into the cylinder or chambered body may be varied or regulated, so as to gage the quantity of material accurately to correspond with the quantity desired to be filled into the box. By accurately fitting the rest D the material can be forced readily from the cylinder or chambered body into the box. I prefer also that the head or plunger C should be provided with adjusting-screws *c* to strike against the head B^2, said screws arranged to be set in or out, as may be desired, in adjusting the head or plunger upon the handle.

It is evident that by this means boxes may be readily filled without soiling the top or outside of the box, an object of very great importance.

The device is adapted not only for filling boxes with butter, but for various other purposes, such as chopped meats, sausages, &c.

What I claim as my invention is—

1. An apparatus for filling boxes, comprising a cylinder or chambered body, provided with a reciprocatory plunger or head, a rest or support constructed to seat upon the upper edge of a box and to form a seat for said cylinder or chambered body, substantially as set forth.

2. An apparatus for filling boxes, comprising a cylinder or chambered body, provided with a reciprocatory plunger or head, a handle engaged with said plunger or head, a rest or support constructed to seat upon the upper edge of a box and to form an interior seat for said cylinder or chambered body, said head

or plunger having an adjustable engagement with said handle, substantially as set forth.

3. An apparatus for filling boxes, comprising an open cylinder or chambered body, provided with a reciprocatory plunger or head therewithin, a rest or support constructed with a central opening, and an inner peripheral flange to rest upon the upper edge of a box, said flange forming a seat upon its upper surface for said cylinder or chambered body, said rest or support projecting outward from said flange and above and below said flange, substantially as and for the purpose set forth.

4. An apparatus for filling boxes, comprising an open cylinder or chambered body, provided with a reciprocatory plunger or head therewithin, a rest or support constructed with a central opening, and an inner peripheral flange to rest upon the upper edge of a box, said flange forming a seat upon its upper surface for said cylinder or chambered body, said rest or support projecting outward from said flange and above and below said flange, and said plunger provided with adjusting-screws *c* upon the upper surface thereof, for the purpose described.

In testimony whereof I sign this specification in the presence of two witnesses.

WILLIAM B. THOMSON.

Witnesses:
N. S. WRIGHT,
JOHN F. MILLER.