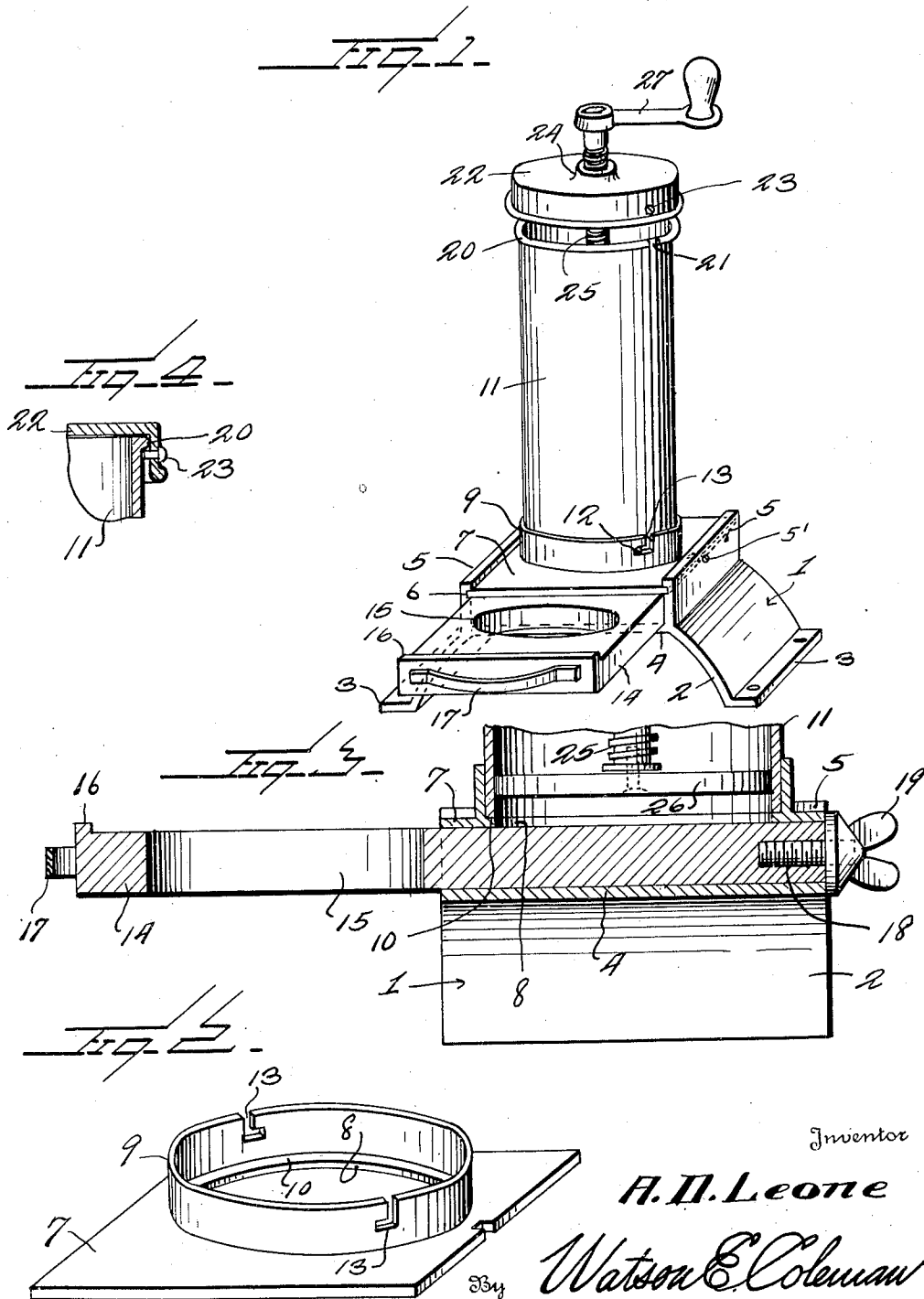


Nov. 19, 1935.

A. D. LEONE
HAMBURGER STEAK MOLD

2,021,794

Filed Dec. 4, 1934



Inventor

A. D. Leone

Watson E. Coleman

Attorney

UNITED STATES PATENT OFFICE

2,021,794

HAMBURGER-STEAK MOLD

Anthony D. Leone, Blairsville, Pa.

Application December 4, 1934, Serial No. 755,985

4 Claims. (Cl. 17—32)

This invention relates to improvements in dispensers and pertains particularly to a device for dispensing a comminuted substance in the form of cakes or patties.

5 The primary object of the present invention is to provide a device for dispensing hamburger steak in patties ready for cooking without the necessity of having to touch the meat with the hands.

10 Another object of the invention is to provide a device of the above described character which is of novel construction in that it may be easily and quickly disassembled to facilitate cleaning.

15 The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming part of this specification, with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawing but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

25 In the drawing:—

Figure 1 is a view in perspective of the machine embodying the present invention.

Figure 2 is a view in perspective of the cylinder supporting plate.

30 Figure 3 is a vertical transverse section taken through the base portion of the machine.

Figure 4 is a detail section showing the connection between the cylinder and the cap therefor.

35 Referring to the drawing wherein like numerals of reference designate corresponding parts throughout the several views, the numeral 1 indicates generally the base of the dispensing device embodying the present invention which, as shown, comprises the side leg portions 2, each of which is relatively broad and has a flange 3 along its lower edge which is apertured to facilitate securing the base to a supporting table or other structure. The upper portions of the legs are connected by the bottom or floor 4 and extending along the two sides of this floor are the vertically extending flanges or walls 5, the inner face of each of which has a groove or channel 6 formed longitudinally therein adjacent to and parallel with the top edge.

50 Slidably disposed between the walls 5 with its opposite edges engaged in the groove 6 is a plate 7. This plate may be secured in position in any desired manner but preferably by means of a set screw 5' at one side as clearly illustrated in

Figure 1. The plate 7 has a central aperture 8 surrounded by an upstanding collar 9 which is of slightly larger diameter than the aperture 8 and which rests upon and is secured to the plate 7, thus forming the shelf-like portion 10 upon which 5 rests the lower end of the vertically disposed cylinder 11 which fits snugly in the collar 9 and is secured thereto by means of pins 12 engaging in preferably diametrically disposed bayonet slots 13 formed in the collar 9 as clearly illustrated in Figure 2.

The plate 7 coacts with the bottom 4 and the vertical walls or flanges 5 to form a guideway for the sliding moldboard 14. This board 14 is of a length materially greater than the length of 15 the guideway from one end to the other and adjacent one end the board has the opening 15 cut therein which is of the same diameter as the opening 8 and the interior of the cylinder 11. When the slide is pushed to the limit of its movement in one direction, it is stopped by the upstanding flange 16 which comes into contact with the adjacent edge of the plate 7 and in this position the opening 15 will be concentric with the opening 10 and the cylinder 11. A handle 17 is provided 25 to facilitate shifting the slide 14 and at the other end of the slide a threaded stud 18 is secured upon which is removably placed the nut 19 which projects above and below the broad surfaces of the slide and contacts with the opposite edges of 30 the floor 4 and plate 7, respectively, to prevent the slide or moldboard from being completely withdrawn from its guideway. Removal of the nut 19 permits the sliding moldboard to be removed for cleaning or other purposes. 35

At its upper end the cylinder 11 is provided with a flange or lip 20, said lip being formed with preferably two diametrically disposed cut-outs 21, and this end of the cylinder is closed by the flanged cap 22 which fits down over the cylinder and 40 which carries set screws 23 in its flange that are adapted to pass through the openings or cut-outs 21, so that by then turning the cap, the screws 23 will pass beneath the lip or flange 20 and securely hold the cap in place. Only one of the 45 cut-outs 21 and screws 23 are illustrated in Figure 1, but it is to be understood that similar cut-outs and screws are formed and provided on the opposite side of the device.

The center of the cap 22 is provided with a 50 threaded passage or opening 24 and threaded through this opening is a screw 25 upon the inner end of which is a head or pusher plate 26 which is of the diameter of the interior of the cylinder 11 to form a close fit therein. This 55

plate 26 may be swivelly coupled with the screw 25 so that the screw may be rotated without turning the plate.

Upon its upper end the screw 25 is suitably formed to receive an end of a crank handle 27 which when secured to the screw facilitates rotating it so as to move the presser head 26 in a desired direction in the cylinder.

From the foregoing it will be readily apparent that by placing a quantity of hamburger or other material to be molded into the cylinder 11 after the presser 26 has been removed, and then inserting the presser and securing down the lid 22, the introduced material may be firmly packed into the opening 15 in the mold board when this opening is disposed beneath the opening 8. By then shifting the moldboard in the required direction, the unapertured portion of the board will slide beneath the contents of the cylinder and the material packed in the opening 15 will be drawn forwardly off of the floor or bottom 4 into the open, where it will drop from the opening or may be pushed therefrom into a receiving receptacle.

It will thus be apparent that with the device embodying the present invention, patties of hamburger or other suitable material may be quickly formed all of the same size and without touching the material with the hands. It will also be apparent that because of the novel construction of the device the same may be easily and quickly pulled apart so that each part may be thoroughly cleaned.

What is claimed is:—

1. A device of the character described, comprising a base having a bottom and a pair of side upstanding walls, said walls having their confronting faces provided with grooves, a plate slidably disposed between said walls in said grooves and constituting a top wall, the inner surfaces of said top, bottom and side walls constituting a moldboard guide, said top wall having an opening therein, an upstanding collar carried by said top wall and surrounding said opening, a vertically disposed cylinder having one end in said collar and detachably coupled therewith, a lid for the other end of said cylinder, a screw operated presser slidable in said cylinder and having the screw extending through and in threaded connection with said lid, and a relatively long moldboard slidably mounted in said guide and having an opening therethrough adjacent one end which is of the same diameter as the top wall opening and adapted to be disposed concentric therewith, said guide when shifted to one position removing the opening thereof from over the bottom wall of the base and shifting an unapertured portion of the guide to position beneath the top wall opening.

2. A device of the character set forth, com-

prising a base having a bottom, supporting legs at opposite sides of said bottom, upstanding walls at opposite sides of the bottom and upon the sides thereof from which the supporting legs extend, said walls having their opposed faces provided with channels, a top wall for the base disposed between the side walls and slidably engaged in said channels, said top wall having an opening and forming with the bottom and side walls a guideway, a relatively long moldboard slidably disposed in said guideway and having an opening adjacent one end which is of the diameter of the top wall opening, a collar mounted upon the top of said top wall concentric with the opening thereof and of slightly larger diameter than the opening, a cylinder vertically disposed with one end in said collar and resting upon said top wall, the interior of the cylinder being of the same diameter as said top wall opening, a lid detachably secured to the upper end of the cylinder and having a threaded central opening, a screw threaded through said cover opening, a pusher member swivelly attached to the lower end of the screw in the cylinder, and means for rotating the screw.

3. A device of the character described, comprising a base having upstanding side walls each having a groove in its inner face parallel with the groove in the opposite wall, a plate disposed between said side walls with opposite edges slidably engaged in said grooves, the plate having an opening therein, a receptacle carried by the plate and opening at its bottom through the plate opening, means for forcing material downwardly in the receptacle, and a moldboard slidably disposed between the base and said plate and having an aperture designed to coincide with the aperture in the plate when the moldboard is in one position.

4. A device of the character described, comprising a base having upstanding side walls each having a groove in its inner face parallel with the groove in the opposite wall, a plate disposed between said side walls with opposite edges slidably engaged in said grooves, the plate having an opening therein, a receptacle carried by the plate and opening at its bottom through the plate opening, means for forcing material downwardly in the receptacle, and a relatively long moldboard having an aperture therein adjacent one end adapted to coincide with the opening in said plate, means at one end of the moldboard for engagement with the plate to limit the movement of the moldboard in one direction, and a headed screw threadably engaged in the other end of the moldboard and having a portion of its head projecting beyond one surface of the moldboard to limit the movement of the latter in the opposite direction.

ANTHONY D. LEONE.