

June 23, 1925.

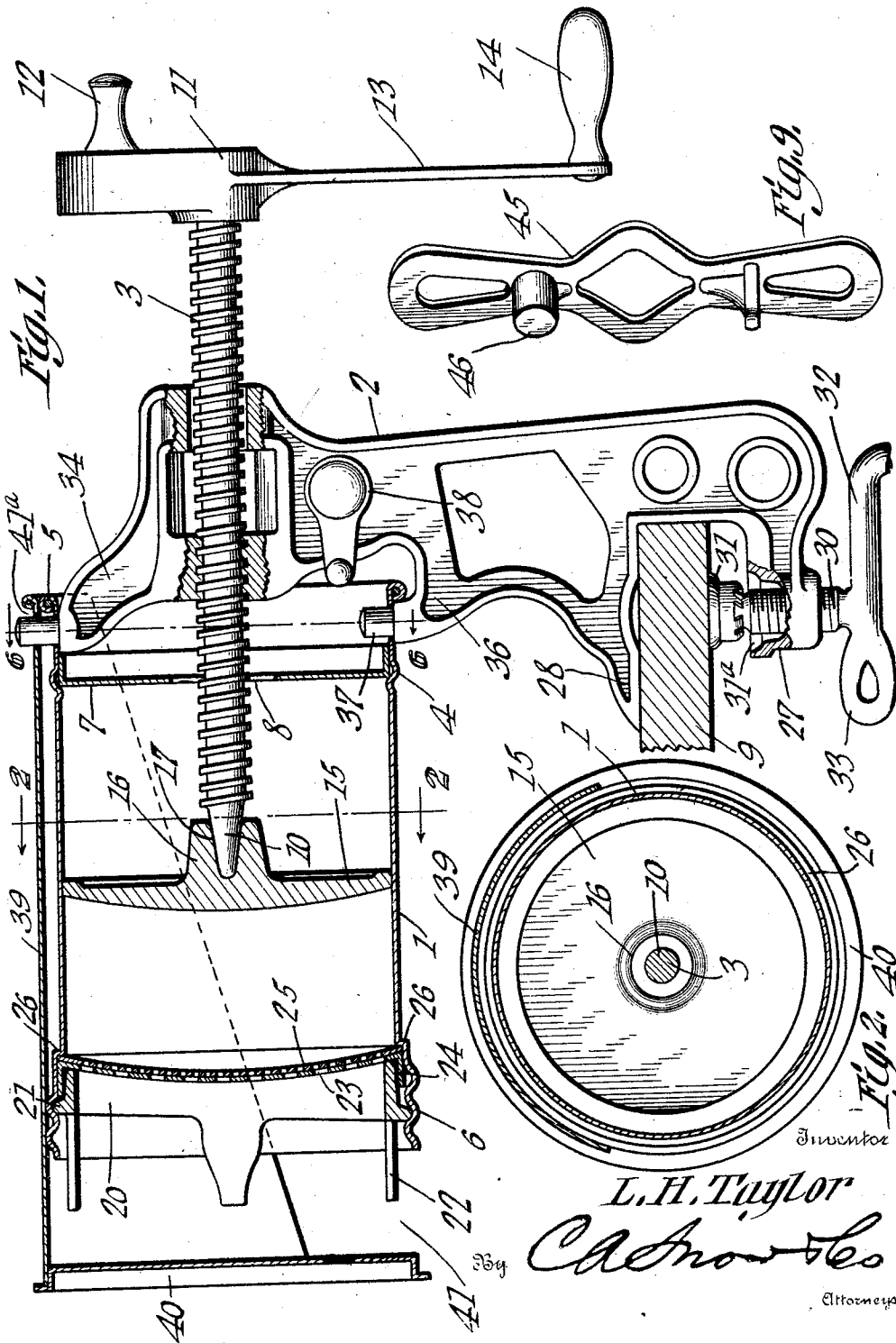
1,543,036

L. H. TAYLOR

DOMESTIC PRESS

Filed Oct. 10, 1924

2 Sheets-Sheet 1



June 23, 1925.

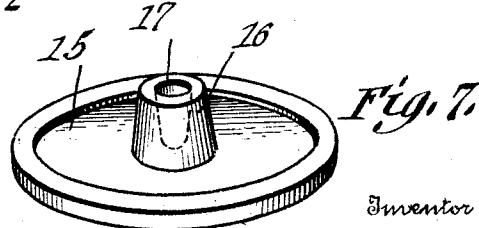
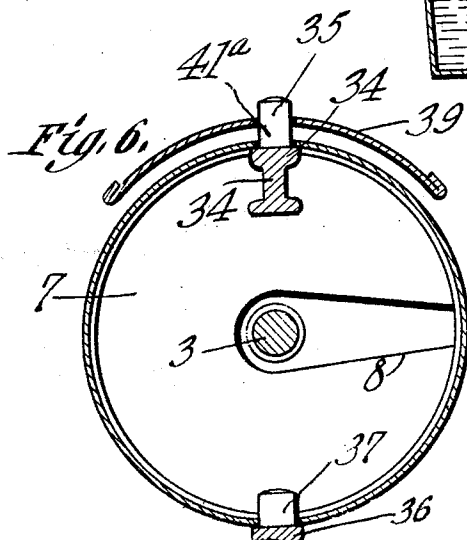
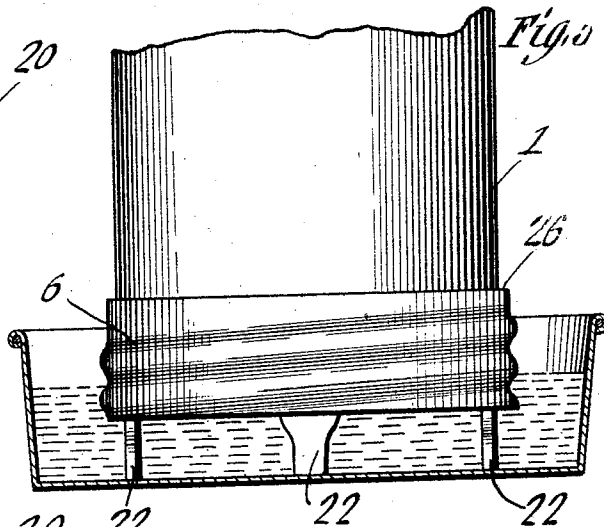
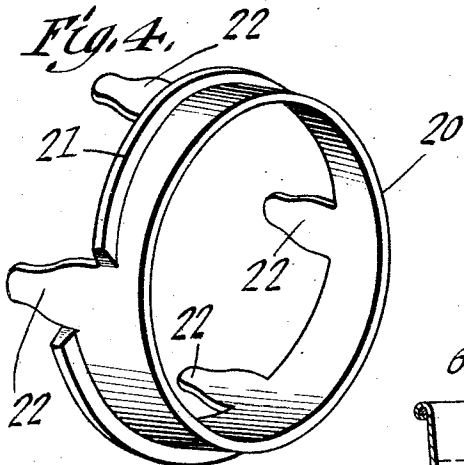
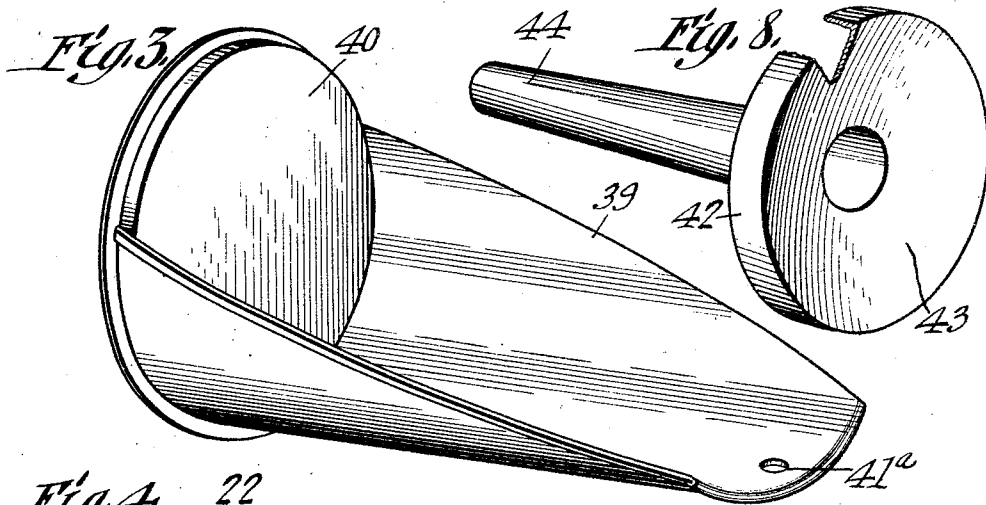
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2 Sheets-Sheet 2



Inventor
L. H. Taylor
By *Chas. H. Taylor*
Attorney

UNITED STATES PATENT OFFICE.

LAWRENCE H. TAYLOR, OF IOLA, KANSAS.

DOMESTIC PRESS.

Application filed October 10, 1924. Serial No. 742,861.

To all whom it may concern:

Be it known that I, LAWRENCE H. TAYLOR, a citizen of the United States, residing at Iola, in the county of Allen and State of Kansas, have invented a new and useful Domestic Press, of which the following is a specification:

This invention relates to improvements in culinary utensils and more particularly to combined steam cookers and pressers of the character in which vegetables or other food products are cooked and pressed and which is of the type shown in my Patent No. 1,223,642 dated April 24, 1917.

The object of the invention is to provide a press of this character having improved means for clamping it to a table or other support and improved feed screw actuating means whereby it may be easily and quickly turned.

Another object of the invention is to construct a press of this character having a plunger and an operating screw connected to automatically take up wear and to facilitate centering of the screw in the socket of the follower in case of variation of the casting.

Another object is to provide an improved sieve locking ring equipped with combined supporting feet and operating lugs and which works loosely in the cylinder and operates to clamp members to be held between the inner edge thereof and a shoulder formed in the cylinder wall.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 represents a side elevation of the device constituting this invention with the press cylinder shown in longitudinal section;

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1;

Fig. 3 is a perspective view of the shield detached;

Fig. 4 is a similar view of the clamping ring detached;

Fig. 5 is a side elevation partly in section

with the upper end broken off of the cylinder shown used as a steamer;

Fig. 6 is a transverse section taken on the line 6—6 of Fig. 1; and

Fig. 7 is a detail perspective view of the plunger looking down thereon.

Fig. 8 is a perspective view of a sausage stuffer attachment;

Fig. 9 is a similar view of a wrench used with the press.

In the embodiment illustrated a container or cylinder 1 as shown which constitutes the press cylinder and which may be used as a steam cooker as shown in Fig. 5 or used in connection with a bracket 2 and press screw 3 to operate as a press for pressing meat, vegetables or the like.

The cylinder 1 which constitutes the body of the press is preferably formed of suitable heavy sheet metal provided at one end with longitudinally spaced external reinforcing beads 4 and 5 and having its opposite end pressed to provide a threaded portion 6 having both internal and external threads. The unthreaded end of the cylinder is closed by a wall 7 which is spaced a short distance from the end of the cylinder and is formed with a slot 8 through which the press screw 3 may extend. This screw 3 is threaded throughout the greater portion of its length its inner end being tapered as shown at 10 for a purpose presently to be described.

Mounted to reciprocate in the cylinder 1 is a follower 15 having a slightly convex face directed toward the discharge end of the cylinder, which is the threaded end, and provided at its rear face with a boss 16 having a socket 17 tapered toward its inner end and shaped to conform to the taper of the end 10 of the feed screw. The socketed boss 16 projects through the slot 8 in the wall 7 when the follower is in its innermost position. This follower while fitting with reasonable snugness within the cylinder is loose enough to permit the passage of steam for a reason to be hereinafter described.

Fixed to the outer end of the feed screw 3 is a screw actuating balanced crank 11 having a handle 13 extending radially from one side thereof and equipped with a hand grip 14 while projecting laterally from the other side thereof is a weight 12 here shown in the form of a pin or peg which may be grasped to turn the screw 3 backward with a whirling motion while the handle 13 is

used to turn it in the other direction for pressing the follower 15 forward.

The discharge end of the cylinder 1 is equipped with a clamping ring 20 having external threads 21 engaging within the inner threads of the cylinder and which is designed as an attachment holder for clamping between it and a shoulder 26 arranged in the cylinder the attachment to be secured.

10 This ring is equipped on its outer edge with a plurality of lugs 22 which form feet to support the cylinder when used as a steamer as shown in Fig. 5 and which are adapted to be engaged by a spanner wrench to facilitate the application and removal of the ring.

15 A sieve or strainer 23 having comparatively large discharge apertures has an annular flange 24 located between the ring 20 and the cylinder wall as shown clearly in Fig. 1. A finer mesh strainer 25 in the form of a concave disk is carried by the strainer 23 and is clamped between it and a shoulder 26 formed in the cylinder wall.

The above described parts of the device are common to it when used as a steam cooker or as a press. For instance when utilized as a steam cooker, the sieve and the clamping ring 20 is removed and the follower 15 is moved to the inner end of the cylinder to bear against the wall 7. The cylinder is filled or partially filled with any food product to be cooked and pressed and the sieve and the ring 20 are then replaced. The cylinder thus filled with food to be cooked is then stood in an open receptacle partially filled with water and placed over heat sufficient to generate steam for cooking the contents of the cylinder.

After the food contained in the cylinder has been sufficiently cooked and the cylinder is applied to the bracket 2 as shown in Fig. 1 in a manner presently to be explained in order that the contents of the cylinder may be either pressed into its discharge end or expressed from the cylinder thru the sieve as desired.

The bracket 2 preferably cast in a single piece includes spaced jaws 27 and 28 adapted to engage above and below the edge portion of a table 29 or other suitable support and the bracket is attached to said table by a clamping screw 30 threaded through the lower arm or jaw 27 and having a swivelly connected head 31 engageable with the lower face of the table and adapted to fit within a seat 31^a in the jaw 27. The other end of the clamping screw 30 is equipped with a cross bar 32 having a thumb piece 33. The upper end of the bracket 2 is provided with a projecting nose 34 having an upstanding trunnion 35. The bracket is formed intermediate its height with a forwardly directing arm 36 having an upstanding trunnion 37 in vertical alinement with the trunnion 35. The cylinder 1 is provided between its rear end

and the wall 7 with diametrically opposite openings to fit over the trunnions 35 and 37. Obviously when the cylinder is applied to the bracket in the manner shown in Fig. 1 it will be held against any movement other than swinging and vertical movement because of engagement with the trunnion.

To hold the cylinder against swinging and vertical movement an adjustable clamp is provided to take up any wear or lost motion between the bracket and the cylinder. This clamp which is indicated at 38 in Fig. 1 is constructed similar to the clamp shown in my patent above referred to in Figs. 1 and 3 thereof.

A shield 39 constructed in the form shown in Fig. 3 is designed to be mounted over the cylinder 1 as shown in Fig. 1 and carries at its outer end a plate 40 which when applied is designed to be spaced from the locking ring 20 of the cylinder and provide at the lower portion thereof a mouth 41 for the discharge of the material compressed in the cylinder.

This shield 39 is provided at its open small end with an aperture 41^a to be engaged with the trunnion 35 for supporting the shield in operative position as shown in Fig. 1.

This improved press may also be utilized as a sausage stuffer or machine by removing the strainer ring 20 and the screens or sieves 23 and 25 substituting therefor the attachment shown in Fig. 8. This attachment includes a supporting ring or flange 42 adapted to fit in the cylinder between the ring 20 and the shoulder 26 with a disk-like plate 43 occupying the position now filled by the screens 23 and 25. The plate 43 has a central opening surrounded by a central conical or tapered discharge spout 44 through which the filling material for the sausage may be pressed in a manner which will be well understood.

The spanner wrench 45 shown in detail in Fig. 9 includes a hammer 46 cast in one piece with the wrench and which is designed to be used for jarring loose the screw ring 20 by tapping on the lugs or legs 22 of said ring.

This device may be used for cooking vegetables and separating the peeling, fiber and lumps therefrom also to cook fruit and similar food products. The cooking is accomplished by putting the raw material into the cylinder 1 steam cooking it and pressing it out through the screens 23 and 25 so that it will be delivered peeled and riced and require only one dish to be washed.

I claim:—

In a culinary device, a food holding receptacle open at one end, said end having an outward pressed shoulder to form an internal abutment, a strainer carrying ring carried within said receptacle end and

adapted to abut said shoulder, a clamping
ring working loose in the flange of the screen
or strainer, said clamping ring having a plu-
rality of lugs extending outward to perform
5 the double function of supporting feet for
the cylinder and means for connection with
a wrench, a follower mounted in said cyl-
inder and means for actuating the follower.

In testimony that I claim the foregoing
as my own, I have hereto affixed my signa- 10
ture in the presence of two witnesses.

LAWRENCE H. TAYLOR.

Witnesses:

Mrs. A. K. TAYLOR,
C. J. AHMANN.