(No Model.) 2 Sheets—Sheet 1.

L. H. TAYLOR.

DOMESTIC PRESS.

No. 422,263. Patented Feb. 25, 1890.

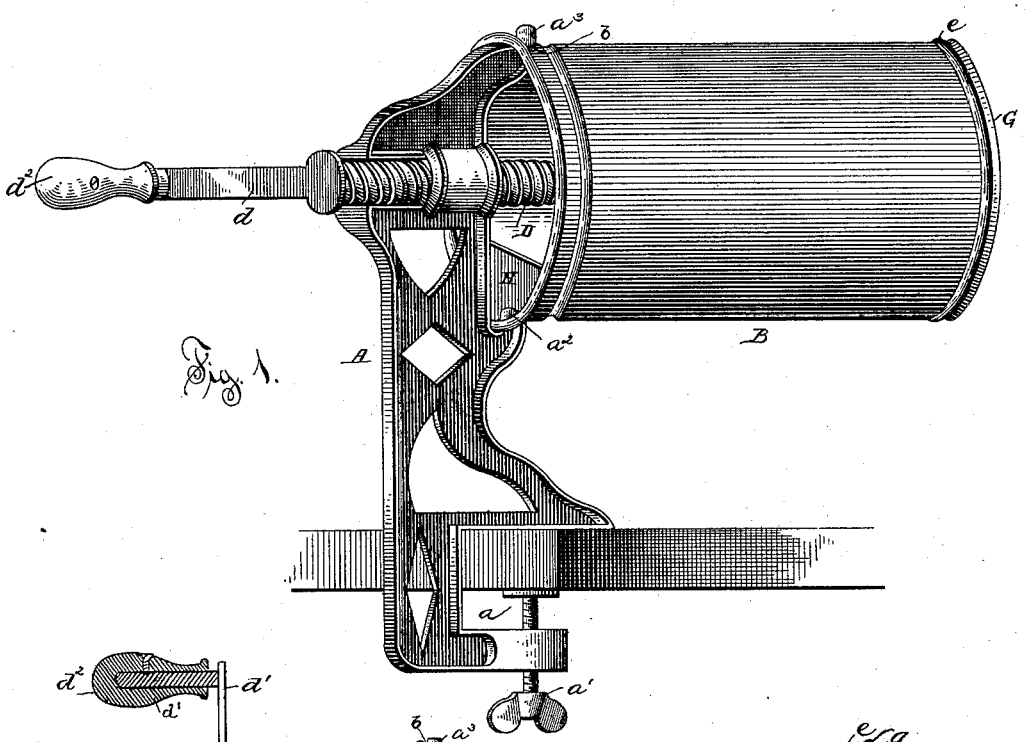

Fig. 1.

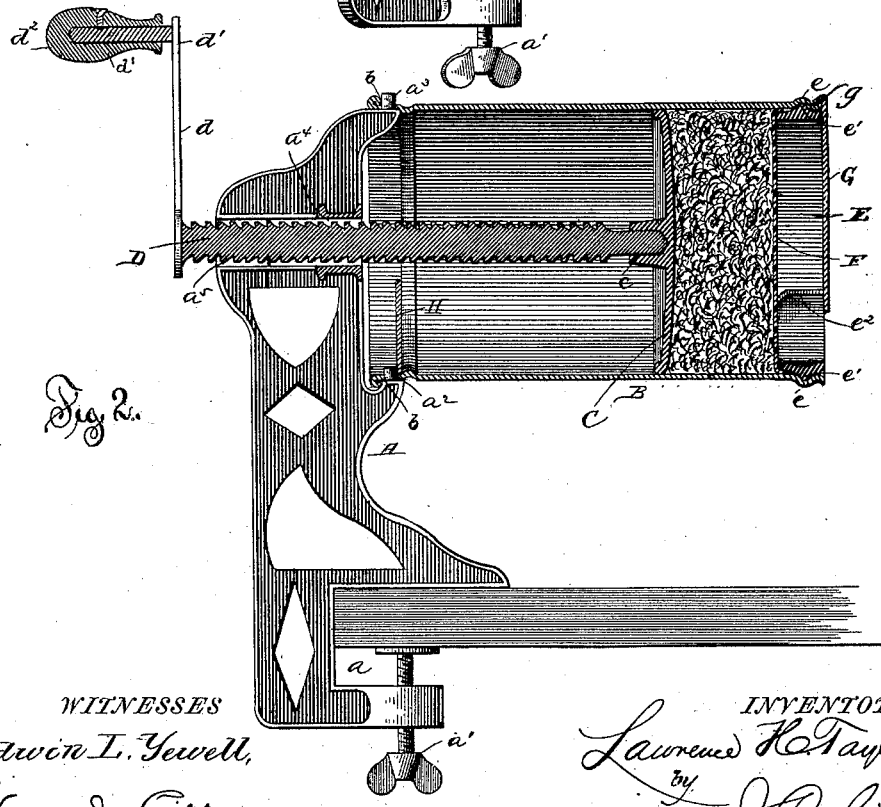

Fig. 2.

WITNESSES

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(No Model.) 2 Sheets—Sheet 2.

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Fig. 3.

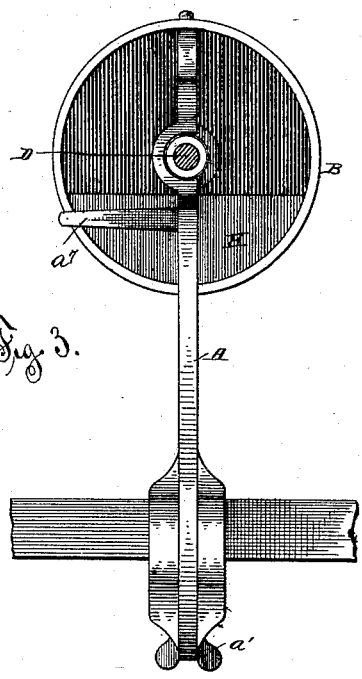


Fig. 4.

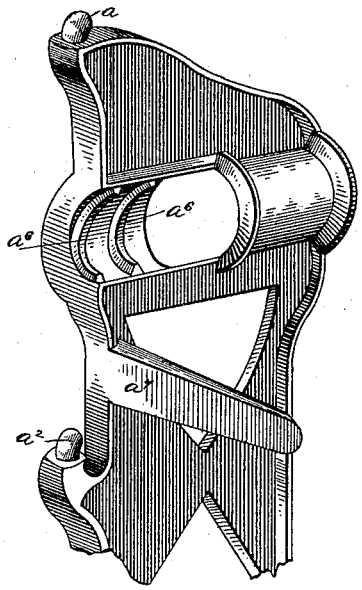


Fig. 6.

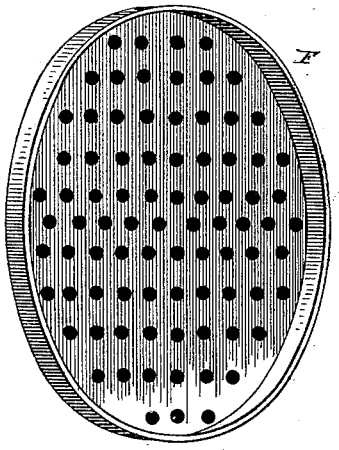


Fig. 5.

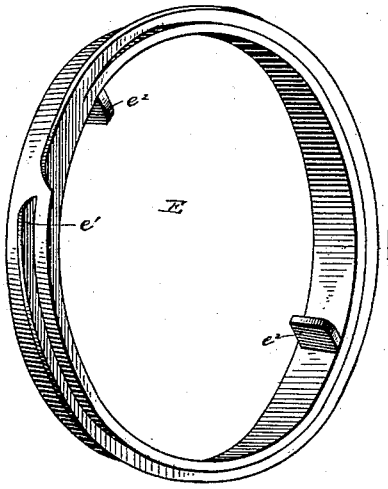
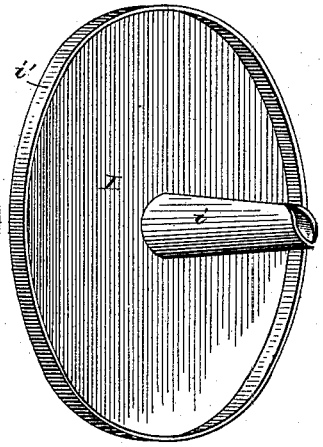


Fig. 7.



WITNESSES

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UNITED STATES PATENT OFFICE.

LAWRENCE H. TAYLOR, OF SOUTH NORRIDGEWOCK, MAINE.

DOMESTIC PRESS.

SPECIFICATION forming part of Letters Patent No. 422,263, dated February 25, 1890.

Application filed September 8, 1888. Renewed October 26, 1889. Serial No. 328,216. (No model.)

To all whom it may concern:

Be it known that I, LAWRENCE H. TAYLOR, a citizen of the United States, residing at South Norridgewock, in the county of Somerset and State of Maine, have invented certain new and useful Improvements in Domestic Presses, of which the following is a specification.

This invention relates to presses of that class designed for pressing fruit, vegetables, stuffing sausage, &c.; and it has for its object to provide a simple and improved device of this character possessing advantages in point of simplicity, durability, inexpensiveness, and general efficiency.

In the drawings, Figure 1 is a perspective view of a press embodying my invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a rear end elevation. Fig. 4 is a detail perspective view of a portion of the standard. Figs. 5, 6, and 7 are similar views of the screw-ring, strainer, and sausage-stuffer, respectively.

Corresponding parts in the figures are denoted by the same letters of reference.

Referring to the drawings, A designates an upright standard, preferably constructed of cast metal and having a horizontal recess a one side its lower end, and a thumb-screw a' projecting therein, whereby the standard can be secured to a table or other base. The rear edge of the standard is shouldered, and from this shoulder project upwardly one or more lugs a^2, preferably forwardly inclined, while at the upper edge of said standard and in the same vertical plane are one or more similar lugs a^3, the purpose of which will be hereinafter described. About midway between the lugs a^2 and a^3, at one side the standard near its rear edge, is a semicircular recess a^4, and upon the opposite side at the front edge is a similar recess a^5, said recesses forming together a transverse bearing through the standard. These recesses are provided with screw-threads a^6, preferably slightly hook-shaped in cross-section, as shown. A horizontal arm a^7 projects at right angles from one side of the standard.

B designates a cylinder or body portion, preferably constructed of sheet metal and having its front edge bent over a strengthening-wire. It is also preferably provided with a circumferential bead near its front edge, projecting inwardly. Between the wire and bead the cylinder is provided with perforations b, corresponding in number and location to and adapted to receive the lugs upon the standard to secure the cylinder in position, and by inclining the said lugs, as described, when pressure is exerted against the cylinder, the latter seeks the lower edge of the lugs, and is thus prevented from slipping off. The edge of the cylinder rests against the arm a^7, which prevents lateral displacement thereof. Within the cylinder is located a circular follower C, which is provided with a socket c centrally upon its outer face.

D designates a screw, the threads of which correspond to and engage the threads a^6, and by the form of screw-threads described the screw is more efficiently retained in engagement with the standard. The inner reduced end of this screw is removably located in the socket c. A crank-arm d is preferably cast integral with the screw at its outer end, and the outer end of this crank-arm is provided with a circumferential groove d', engaged by a pin or screw in a handle d^2, disposed upon the crank-arm, whereby said handle is retained thereon.

The rear end of the cylinder is provided with a screw-thread e, preferably rolled outwardly thereon, whereby the interior diameter of the cylinder is not reduced. A screw-ring E, having an exterior thread e' and inwardly-projecting lugs e^2, is adapted to engage said threads. The lugs e^2 are adapted for use in turning the said ring when inserting or withdrawing it from the cylinder, or otherwise adjusting it for any desired purpose. These lugs being interiorly situated form no external projections. The inner end of the screw-ring is preferably slightly inclined and said end designed to receive an outwardly-flanged strainer F, such as shown in Fig. 6, or other similar device.

G designates a retarding-plate designed to be placed upon the rear end of the cylinder to catch the juice of fruit and prevent it from wasting. This plate is circular in form and is provided with a flange g, said plate and flange being cut away at its lower portion, as shown, the ends of the flange being bent inwardly, said ends being adapted to engage

the threads *e*. A transverse plate H is provided at the bottom of the cylinder near its front end to catch the juice of fruit that may pass behind the follower during the pressing operation. This plate being of but small width gives insight into the cylinder and avoids the use of an extra bearing commonly used in a closing-plate.

When it is desired to use the device for stuffing sausage, the device shown in Fig. 7 is employed in lieu of a strainer or similar device. It consists of a circular plate I, provided with a centrally-disposed outwardly-projecting tube *i*, and with a peripheral flange *i'* projecting in the same direction, said flange being adapted to fit over the inner end of the screw-ring.

The operation and advantages of my invention will be readily understood by those skilled in the art to which it appertains. The plunger is first inserted in the rear end of the cylinder and pressed down against the bead at the opposite end. The cylinder is then filled with the material to be operated upon. If it be meat, a flat circular plate (not shown) of the same diameter as the interior of the cylinder is preferably placed on top to prevent the passage of fat, and if fruit a cloth is used in lieu of the plate to retain the seed, while in the case of vegetables neither device is employed. After the strainer or other device has been placed in position upon the screw-ring the latter is screwed into place, and the retarding-plate placed in position if it is to be used. The cylinder is then adjusted upon the standard, which has previously been secured to a table or other suitable place and the screw inserted and operated against the follower.

When it is desired to remove the screw, its operation is reversed until its inner end is disengaged from the plunger, when it can be turned to one side out of engagement with the threads upon the standard and readily removed.

I claim as my invention—

1. In a domestic press, the combination, with a vertical standard having substantially right-angled extensions at the upper part thereof, whose ends are provided with upwardly-projecting lugs, of a horizontally-disposed removable cylinder adapted to rest on said extensions and provided with coincident perforations to receive the lugs at the ends of said extensions, substantially as described.

2. The combination, with a standard provided with upwardly-projecting forwardly-inclined lugs and an arm projecting at right angles from said standard, of a removable cylinder having perforations corresponding to and adapted to receive said lugs and having its front edge resting against said arm, substantially as set forth.

3. In a domestic press, the vertical standard formed with a transverse slot in its upper end and integral threaded semicircular collars reversely arranged on opposite sides of the said standard over the slot, and a cylinder removably attached to the standard having a follower located therein, in combination with a screw-shaft mounted in said threaded collars and removably attached to and operating the follower in the cylinder, substantially as described.

4. The combination, of a standard provided with a screw-threaded bearing and with upwardly-projecting lugs, a cylinder provided with coincident perforations adapted to receive said lugs, a follower disposed in the cylinder and provided with a socket, and a screw disposed in said bearing and having its inner end removably seated in said socket, substantially as set forth.

5. In a domestic press, a vertical standard adapted to retain a cylinder, with a follower in connection therewith having a slot with separated reversely-arranged semicircular threaded collars thereover, in combination with a screw-shaft engaging said collars, as set forth.

6. The combination, with a standard provided with two reversely-arranged semicircular threaded collars to form a bearing, and a cylinder removably attached to said standard having a follower located therein, of a screw-shaft disposed in said bearing in removable engagement at its inner end with a socket on the follower, and at its outer end provided with an integral crank-arm having a handle, substantially as described.

7. In a domestic press, the combination, with a sheet-metal cylinder provided at one end with an outward struck-up roll *e*, of a ring E, having a spiral peripheral nib *e'*, adapted to engage the roll *e* of the cylinder, and also provided with inner radially-projecting lugs e^2 for turning the said ring, and flanged plates for removable attachment to said ring, substantially as described.

8. The combination, in a press of the character described, with a horizontally-disposed cylinder having the open front end and closed rear end, a follower and a screw for operating the same, of a plate secured transversely across the bottom of the cylinder near said front end, for the purpose set forth.

9. In a press of the class described, the combination, with a cylinder provided at one end with a screw-thread, substantially as described, of a circular plate having a peripheral flange, said plate and flange being cut away at one side and the end of the latter bent inwardly, whereby said plate may be screwed upon the screw-threaded end of the cylinder, as set forth.

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

LAWRENCE H. TAYLOR.

Witnesses:

J. PUTNAM STEVENS,

A. H. WALKER.