

(No Model.)

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M. L. MATHEWS.

FRUIT PRESS.

No. 306,166.

Patented Oct. 7, 1884.

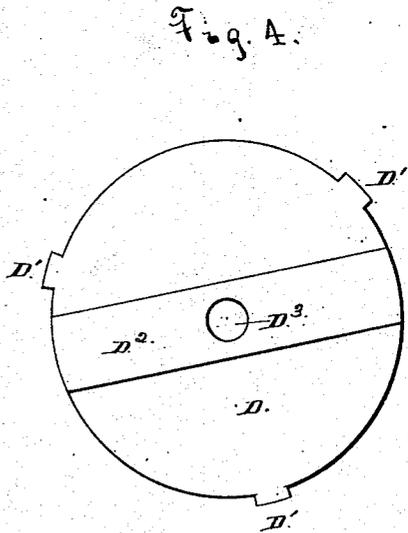
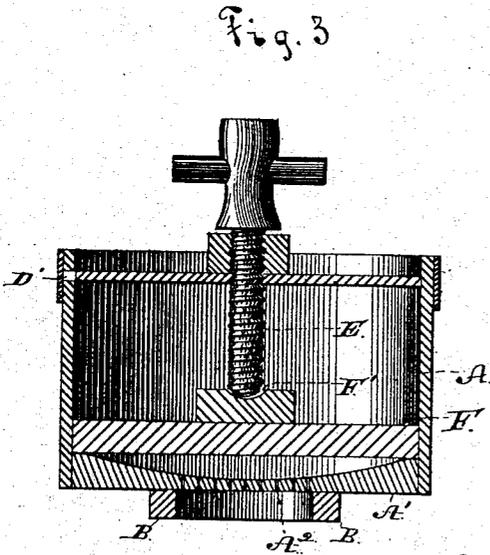
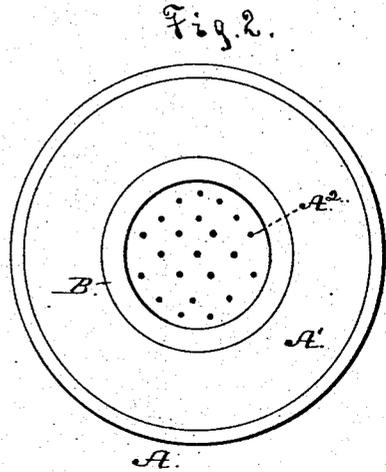
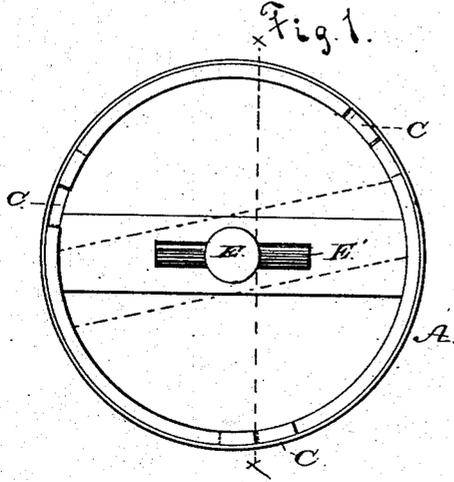
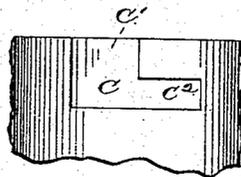


Fig. 5.



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UNITED STATES PATENT OFFICE.

MARIA L. MATHEWS, OF NEWARK, NEW JERSEY.

FRUIT-PRESS.

SPECIFICATION forming part of Letters Patent No. 306,166, dated October 7, 1884.

Application filed February 20, 1884. (No model.)

To all whom it may concern:

Be it known that I, MARIA L. MATHEWS, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Fruit-Presses; and I do 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, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to fruit-presses; and it consists in the construction, combination, and arrangement of the several parts hereinafter described and claimed.

In the drawings, Figure 1 is a top plan. Fig. 2 is a bottom plan. Fig. 3 is a vertical section of my machine on line *x x*, Fig. 1. Fig. 4 is a detail view of the lid. Fig. 5 is a detail view illustrating the double-winged slot hereinafter described.

The press-box A is made preferably in the cylindrical form shown, and has its bottom A' dished or made concave on its upper side, as most clearly shown in Fig. 3. Holes or discharge-openings A² are formed through the center of the bottom piece through which the juice is pressed. A depending annular flange or ring, B, is secured on the bottom A' around these openings A². This ring is adapted to fit in the mouth of a jar or similar receptacle when the juice is being pressed, and when so desired a cloth or similar strainer may be placed over the said ring and held in position by the bottom of the press-box bearing it against the top of the jar, as will be understood. Slots C are formed in the upper end of the box A. These slots are formed with the two wings C' C². The wing C' is cut vertically down from the upper edge of the box, and the wing C² is extended horizontally from the lower end of wing C', as most clearly shown in Fig. 5. The wing C², it will be understood, is extended in the direction of rotation of the presser-screw, presently described. I prefer to use three of these slots C, as shown, though it is obvious the number may be varied to

suit the wishes of the maker. The lid D is conformed to the shape of the box, and is provided with radial lugs D', fitted to the slots C, and corresponding in number thereto. A beam, D², is secured on the upper side of the lid, so the latter can be readily rotated in securing it in place on the box, and also to supplement the bearing of the presser-screw. A threaded opening, D³, is formed through the lid. The presser-screw E turns through this opening, and is provided with a cross-bar, E', or similar devices whereby it may be revolved. The lower end of this screw bears against the follower F, preferably in the socket F', formed in the upper side thereof, as most clearly shown.

My machine is simple and easy of operation. The fruit is placed in the box, the follower is placed in on the fruit, and the lid is applied, as described, when, by turning the screw, the pressing is accomplished.

In applying the lid it is placed with its lugs D' down in wing C' of slots, as indicated in dotted lines, Fig. 1. The lid is then partially rotated to the position shown in full lines, same figure, when the lid is securely held to the box. The direction of this lid-fastening rotation, it will be seen, is the same as the pressing rotation of the screw, so the operation of the latter will not effect the unfastening of the lid.

It is manifest that where so desired a lever could be substituted as a pressing means for the screw before described; also, that instead of the lid a cross-bearing bar could be employed.

I have shown the follower as detached from the screw. Where so desired the follower could be swiveled on the lower end of the screw, and may also be provided with radial notches fitted to slide on guide-rails secured on the inner face of the box.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the box having its bottom made concave on its upper or inner face, and provided with discharge-openings in the middle part of said bottom, and a depending annular flange or ring surrounding said discharge-openings, substantially as set forth.

2. The herein-described fruit-press, com-

posed of the box provided in its upper edge
 with double-winged slots, and having the up-
 per face of its bottom piece dished or made
 concave on its upper face, and having dis-
 5 charge-openings formed centrally through this
 bottom piece, the depending annular flange
 or ring surrounding said discharge-openings,
 the follower fitted to the box, the lid provided
 with radial lugs, fitted to the double-winged
 10 slots in the box, and the pressing-screw turn-

ing through a threaded opening in the lid and
 bearing at its lower end against the follower,
 all substantially as and for the purposes speci-
 fied.

In testimony whereof I affix my signature in 15
 presence of two witnesses.

MARIA L. MATHEWS.

Witnesses:

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