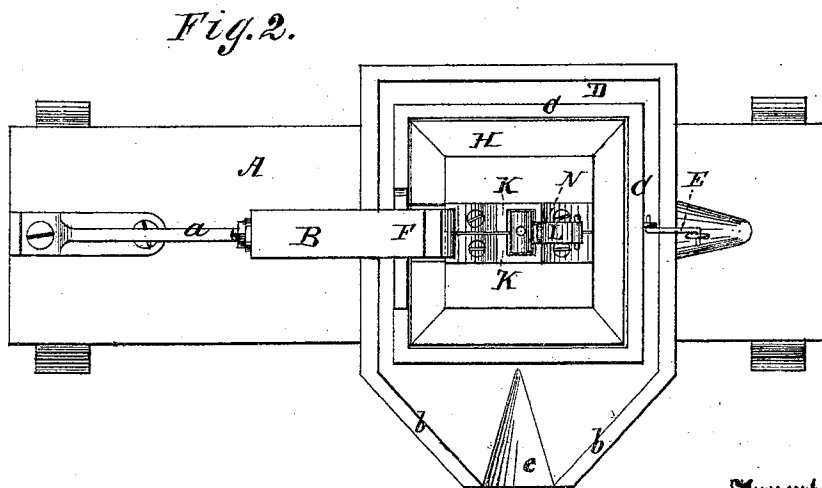
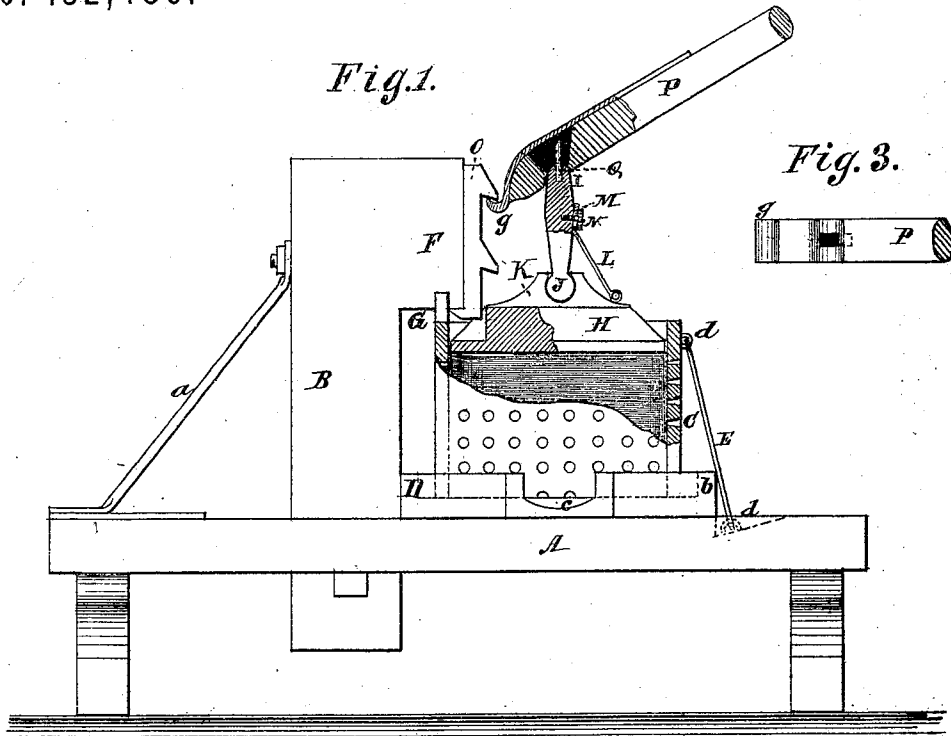


W. F. PAGETT & C. F. ROHRER.

Improvement in Lard Presses.

No. 132,486.

Patented Oct. 22, 1872.



Witnesses:

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UNITED STATES PATENT OFFICE.

WASHINGTON F. PAGETT AND CHRISTIAN F. ROHRER, OF FREMONT, OHIO.

IMPROVEMENT IN LARD-PRESSES.

Specification forming part of Letters Patent No. 132,486, dated October 22, 1872.

To all whom it may concern:

Be it known that we, WASHINGTON F. PAGETT and CHRISTIAN F. ROHRER, of Fremont, in the county of Clark and State of Ohio, have invented a new and Improved Press for Extracting Liquids from Solids, of which the following is a specification:

This invention relates to that class of presses which are provided with foraminous press-boxes, and followers for extracting liquids from various solid substances, such as lard, fruits, cheese, &c. The invention consists principally in the provision of a vibrating or movable post or block, which is applied to the follower of the press for transmitting to the same the pressure exerted by a lever which has its fulcrum-point in a stationary ratchet-plate secured to a vertical standard.

In the drawing, Figure 1 is a side elevation with parts broken out, and Fig. 2 is a top view. Fig. 3 is a detail view of the lever.

A represents the bed-frame or supporting-stand of the press. B is a vertical standard attached to the stand by a transverse key and secured in position by a lateral brace, *a*. C is the press box or hopper formed of foraminous metal or wood, and which may be of any desirable size and shape. D is a detachable or separate hopper-bottom provided with vertical flanges *b* to form a trough or channel surrounding the press-box for conducting the expressed liquid to a discharge-spout, *c*. E is a device for fastening the hopper and its bottom to the bed-frame, consisting of a metal rod having hooks at both ends for insertion into the staples or eyes *d* attached to the press-box and stand. F is a horizontal enlargement of the upper end of the standard B, in the under side of which is formed a notch or groove for the reception of a locking wedge or key, G, which presses against the upper edge of the press-box for securing the same in position. H is the follower of the press carrying a vertical vibrating post, I, the lower end of which is provided with a horizontal cylindrical tenon, J. K K are centrally-divided boxes or battens which are secured to the follower and provided with cylindrical sockets or channels for receiving the cylindrical tenon of the post I. L is a metallic plate or check-plate, hinged at its lower end to the follower or bat-

tens, and provided at its upper end with an elongated slot, M, through which passes a headed bolt or button, N, secured to the vibrating post. O is a plate with a notched or ratchet surface secured to the upper end and vertical edge of the standard B. P is the lever for operating the follower of the press, the inner end of which is armed with a metal plate having a curved projection, *g*, engaging with the ratchet-plate O, which thus forms the fulcrum-point of the lever. The lever is detachably connected with the vibrating post by inserting the upper convex end of the latter into a concave channel in the under side of the lever. The lateral movement of the same, when in operation, is further prevented by a pin, Q, projecting from the upper end of the vibrating post which enters a suitable opening in the lever.

The advantages derived by the use of the vibrating post are as follows, viz.: By reason of the peculiar method of attachment it will, during the operation of pressing, have a tendency to be drawn toward the fulcrum-point of the lever, thus bringing the fulcrum and point at which the weight or pressure is applied, in close proximity, and affording a greater leverage with a small exertion of power. The degree of vibration of the post is determined by the depth of the notches in the fulcrum-plate, and the pitch or distance from the points of the lever, and the movement of said post is regulated through the medium of the slot in the check-plate. Said plate will also serve as a brace for preventing the vibration of the post in more than one direction, as the limit of its movement is a vertical position, and toward the fulcrum-point of the lever.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The vibrating post I, check or regulating plate L, and fulcrum or ratchet-plate O, when combined with lever P and follower H, and relatively arranged in the manner specified.

WASHINGTON F. PAGETT.
CHRISTIAN F. ROHRER.

Witnesses to both signatures:

JOHN H. BLOSE,
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