A. J. NOE.

Lard and Cheese Press.

No. 162,407. Patented April 20, 1875.

Fig. 1.

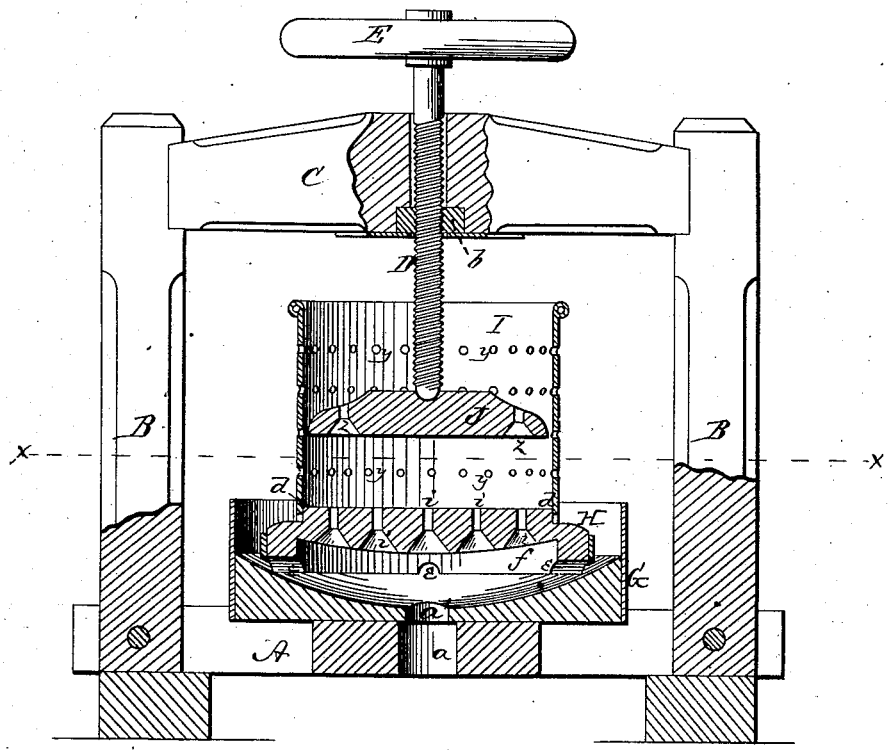
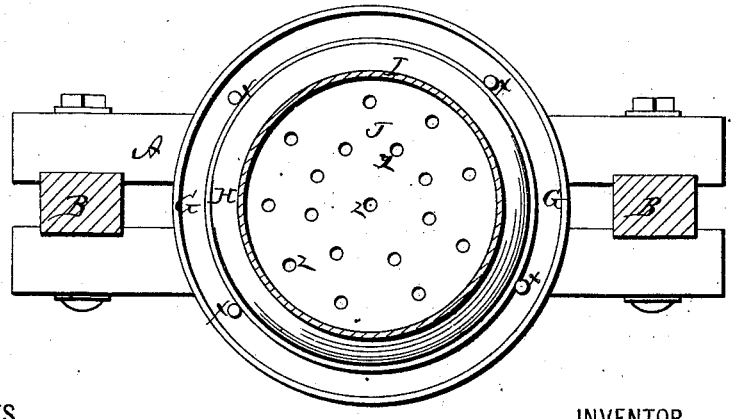


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

ANDREW J. NOE, OF MITCHELL, INDIANA.

IMPROVEMENT IN LARD AND CHEESE PRESSES.

Specification forming part of Letters Patent No. **162,407**, dated April 20, 1875; application filed December 19, 1874.

To all whom it may concern:

Be it known that I, ANDREW J. NOE, of Mitchell, in the county of Lawrence and in the State of Indiana, have invented certain new and useful Improvements in Lard and Cheese Presses; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a press for pressing fruit, lard, cheese, &c., as will be hereinafter more fully set forth, and as embodied in the claims.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section of my press; and Fig. 2 is a horizontal section of the same through the line *x x*, Fig. 1.

A represents the bed of my machine, constructed in any suitable manner and provided with a central aperture, *a*. From the ends of the bed A rise two posts or standards, B B, which are connected at their upper ends by a cross-bar, C, and in the center of this cross-bar is embedded a nut, *b*, for the passage of the vertical screw D, provided at its upper end with a hand-wheel, E, for turning the same. On the bed A is placed a pan, G, the bottom of which is made concave on the upper side and provided with a central aperture, *a'*, to be placed directly over the aperture *a* in the bed. The pan G is provided with pins *x x*, or their equivalents, for holding the bottom H of the pressing-cylinder in place. The bottom H is provided on the upper side with a circular shoulder, *d*, upon which the cylinder I rests. In the under side of the bottom H is a circular recess, *f*, and through the rim around said recess are made a series of channels, *e e*. Through the bottom H, within the circular shoulder *d*, are made a series of passages or holes, *i i*, which are countersunk on the under side, as shown in Fig. 1. The cylinder I may be of any suitable height, and is provided with a number of horizontal rows of perforations, *y y*, extending around the cylinder. Within the cylinder I is a follower, J, upon which the screw D operates. This follower is provided near its rim with apertures or holes *z*, countersunk on the under side, as shown.

This press may be used as a fruit, lard, or cheese press, as desired.

The material to be pressed is placed within the cylinder I on the bottom H, the follower J on top thereof, and the screw D brought down on the same. The liquid will then, by the pressure of the screw, be forced through the various apertures and flow into the concave bottom of the pan G, and out through the aperture *a* into any vessel placed below the same for its reception.

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

1. The cylinder bottom H, constructed as described, provided with circular shoulders *d*, recess *f*, with channels *e*, and holes *i i*, in combination with the pan G, having concave bottom with central opening *a'* and pins *x x*, substantially as and for the purposes herein set forth.

2. The combination of the pan G, cylinder bottom H, having shoulder *d*, recess *f*, channels *e*, and holes *i*, the perforated cylinder I, and perforated follower J, all substantially as and for the purposes herein set forth.

3. The combination of the frame, consisting of the bottom piece A, side pieces B B, and cross-piece C, embedded nut *b*, screw D with hand-wheel E, perforated follower J, perforated cylinder I, perforated bottom H, and pan G, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of December, 1874.

ANDREW JACKSON NOE.

Witnesses:
A. T. MCCOY,
J. D. MOORE.