THOMAS G. BROOKE.

Improvement in Presses.

No. 127,557. Patented June 4, 1872.

Fig. 1.

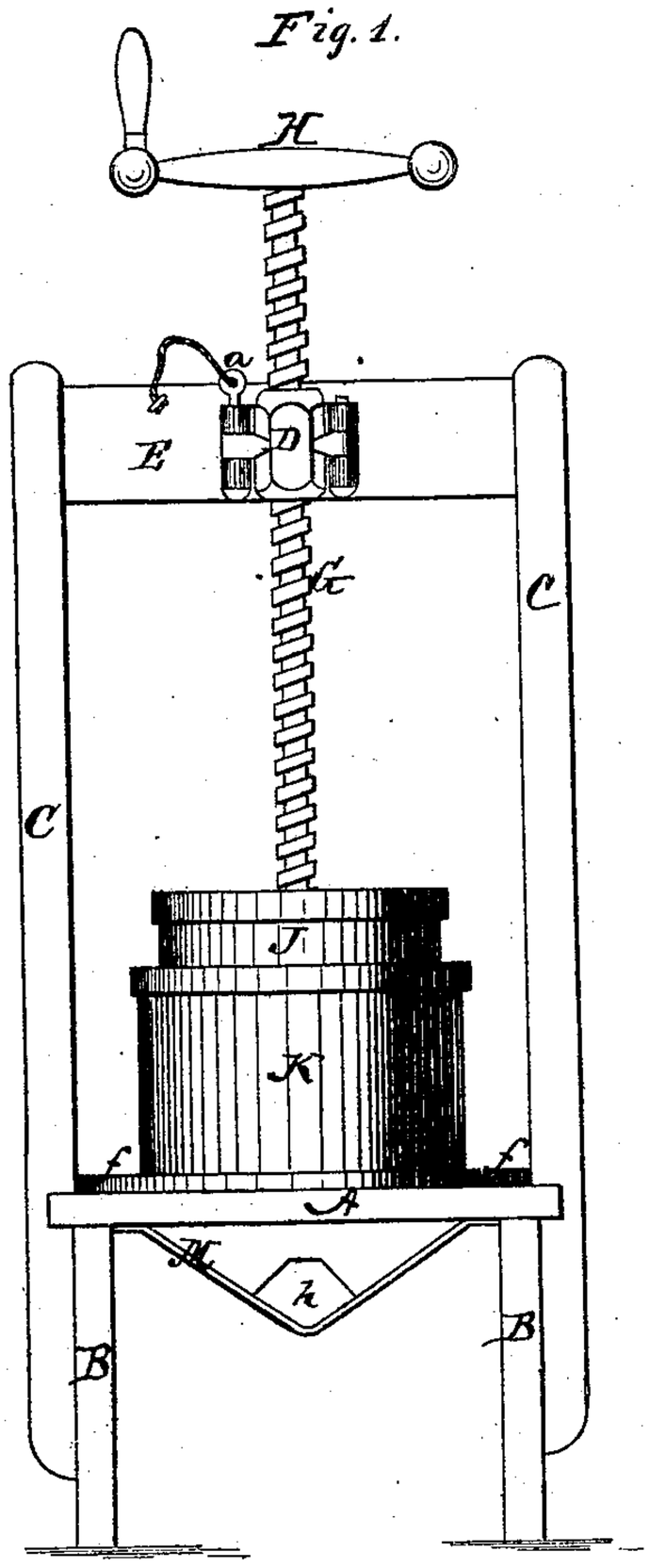
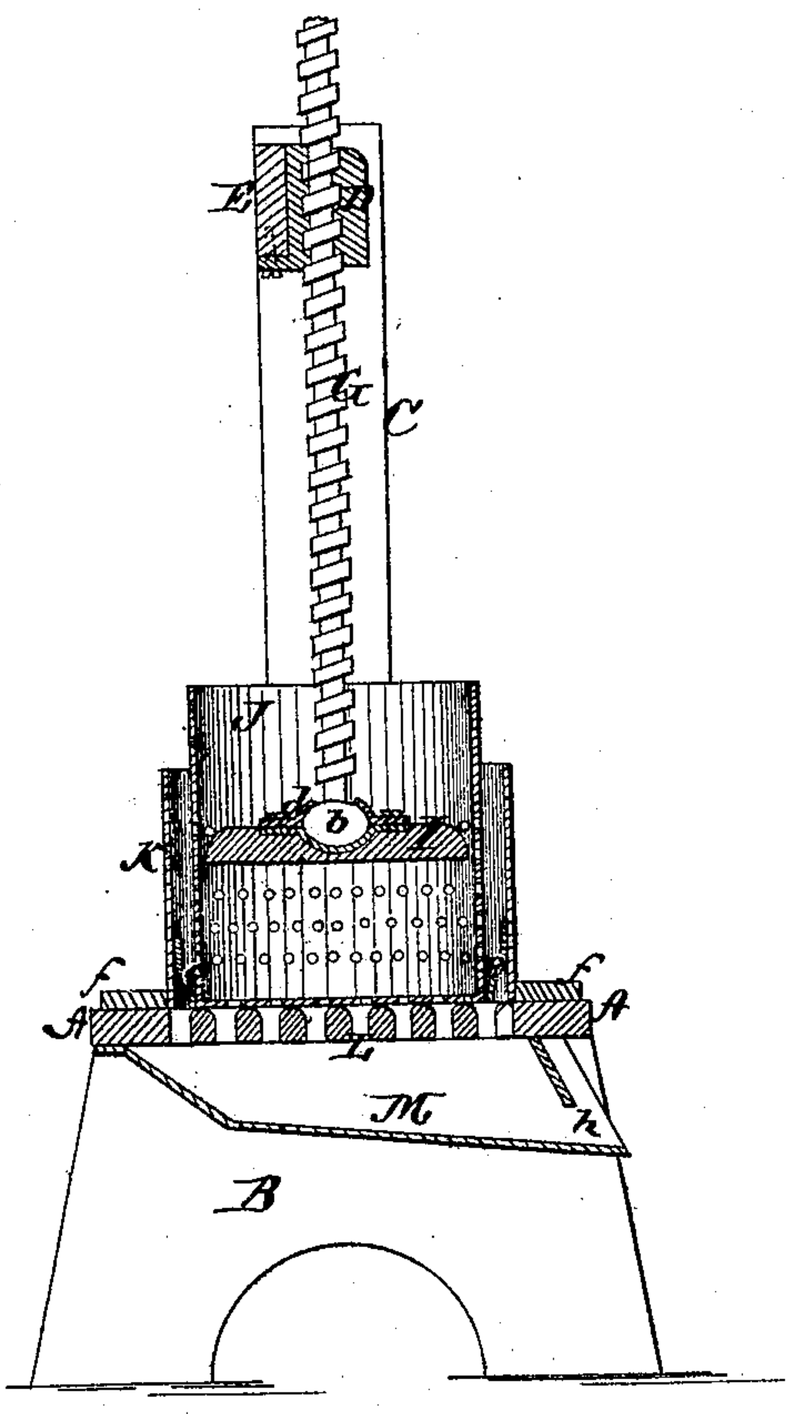


Fig. 2.



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127,557

UNITED STATES PATENT OFFICE.

THOMAS G. BROOKE, OF NEWARK, OHIO.

IMPROVEMENT IN PRESSES.

Specification forming part of Letters Patent No. 127,557, dated June 4, 1872.

To all whom it may concern:

Be it known that I, THOMAS G. BROOKE, of Newark, in the county of Licking and in the State of Ohio, have invented certain new and useful Improvements in Presses; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing 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 lard, or for any other purpose where needed, as will be hereinafter more fully set forth.

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 front elevation, and Fig. 2 a transverse vertical section of my press.

A represents the bench or bed of my press, supported at a suitable height by legs B B or other convenient means. From the sides of this bed rise two standards, C C, connected at their upper ends by a cross-bar, E, in the center of which is secured a nut, D. This nut is made in two parts, one part secured to the cross-bar and the other part hinged thereto and fastened by a pin, *a*. Through the nut D passes a screw, G, made with a pitch of five-eighths to the inch, and provided at its upper end with a handle or lever, H. On the lower end of the screw G is formed a ball, *b*, fitting inside of a correspondingly-shaped box, *d*, attached to the center of the follower I, thus allowing the screw to turn without revolving the follower. This follower is made to fit the inside of the kettle J, which is made of sheet-iron, and perforated throughout its bottom, and for a suitable distance up its sides. This kettle is placed within a cylinder, K, of such dimensions as to leave a space of about one inch between the two. On the inside of the cylinder K are attached wedges *e e*, to prevent any play of the interior vessel J. The cylinder K is open at both ends and placed inside of a circle, *f*, upon a slat-bottom, L, formed in the bed A. Under the bed A is attached a tin receiver, M, sloping from all parts to the mouth *h* of the same, so that the lard or whatever else may go through the press will flow to and out of the mouth. Beneath the receiver M should be sufficient room to admit of a good-sized crock. It will be seen from the pitch of the screw that it must do its work well and rapidly.

The hinged nut accomplishes two objects: first, it can be unhinged and the screw and follower attached to it lifted out, thereby saving the time that would otherwise be necessary to run the screw up when the kettle is to be filled or emptied; second, by losing no time the danger of burning the lard is much decreased.

The simplicity of the construction, the efficient work it will do, and the cheapness of the machine will reccommend it to all.

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

1. The combination, with the screw G and cross-bar E of the frame, in a lard or other press, of the ball and socket *b d* and the stationary nut D, the latter being made in two parts, hinged and screwed as shown, all as and for the purposes set forth.

2. The combination, in a lard or other press, of the perforated kettle J and the cylinder K, with interior wedges *e e*, substantially as and for the purposes herein set forth.

3. The slat-bottom L of the press, arranged in the bed A, with the circle *f* and inclined receiver M, as and for the purposes set forth.

4. The receiver M of the press, constructed as described, in combination with the slat-bottom L, perforated kettle J, and wedges *e e*, substantially as and for the purposes set forth.

5. The combination of the frame A B C E, hinged nut D, screw G, ball *b*, socket *d*, follower I, perforated kettle J, cylinder K with wedges *e e*, ring *f*, slat-bottom L, and receiver M, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of February, 1872.

THOS. G. BROOKE.

Witnesses:

J. F. LINGAFELTER,

WM. E. ATKINSON.