A. C. TUBBS.

PRESS.

APPLICATION FILED OCT. 19, 1909.

953,565. Patented Mar. 29, 1910.

Fig. 1.

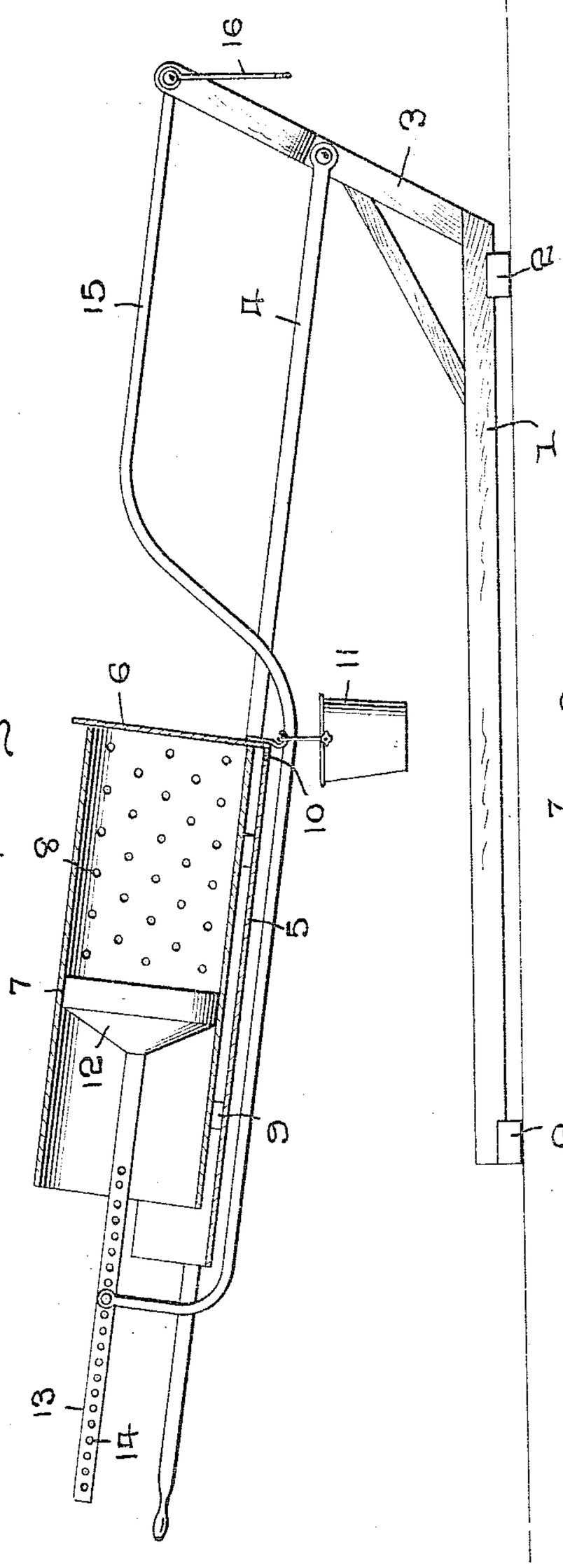
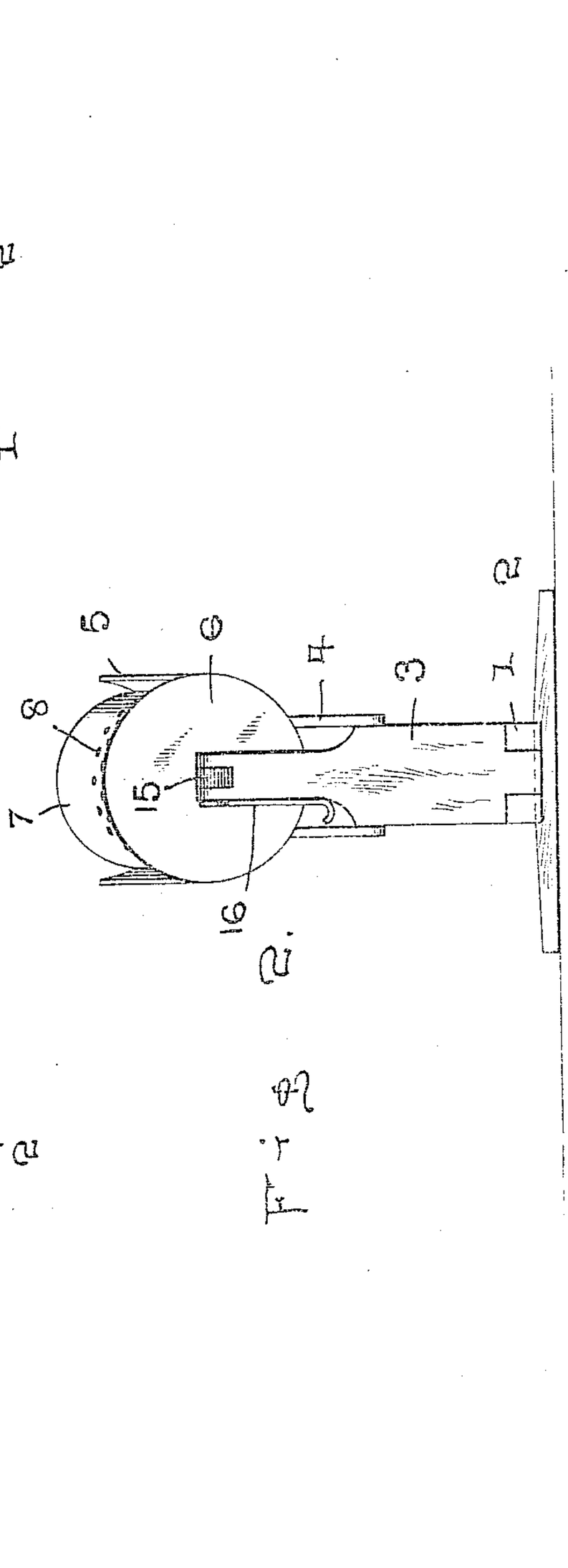


Fig. 2.



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AMOS C. TUBBS, OF BOICOURT, KANSAS.

PRESS.

953,565. Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed October 19, 1909. Serial No. 523,454.

To all whom it may concern:

Be it known that I, AMOS C. TUBBS, a citizen of the United States, residing at Boicourt, in the county of Linn and State of Kansas, have invented certain new and useful Improvements in Presses; and I do hereby 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.

My invention relates to new and useful improvements in presses and more particularly to that class adapted to be used in manufacturing cheese and similar products and my object is to provide a perforated body for receiving the product to be pressed.

A further object is to provide a plunger and means for forcing the same into the body to compress the contents thereof.

A further object is to provide a suitable lever for operating the press.

A still further object is to provide means for receiving any fluids that may be forced from the products.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings forming part of this application, Figure 1 is a longitudinal central sectional view through the press in its operative position, and, Fig. 2 is an end elevation thereof.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a frame which is provided with suitable supporting feet 2, while at one end thereof is a standard 3, said standard extending upwardly and at an angle to the horizontal plane of the frame. Pivotally attached to the standard 3 at a point below its upper end is a two-part lever 4, said lever having attached thereto and adjacent its outer end, a trough 5, said trough being provided with an end section 6 against which is adapted to rest a cylindrical body 7, a portion of the surface of which is provided with a plurality of perforations 8, through which the liquids compressed from the product within the body may escape and enter the trough 5. The cylindrical body 7 is removably secured within the trough 5 in any suitable manner and is held spaced therefrom by means of space blocks 9, so that the liquids escaping through the perforations may pass from end to end of the trough, the closed end of the trough having a port 10 therethrough, through which the liquids may escape and enter a receptacle 11, which receptacle is suspended from the trough 5 in any suitable manner and immediately below the port 10 when the trough is in its lowered position.

In order to compress the contents of the body 7 and force the same into compact form, a plunger 12 is entered into one end of the body, said plunger having a shank 13 attached thereto, through which is formed a plurality of openings 14, said shank being attached to a connecting rod 15, the opposite end of the connecting rod being pivotally secured to the upper end of a standard 3 and it will be readily seen that as the lever 4 is pivoted at a point below the connecting rod 15, the downward movement of said lever will cause the plunger to enter the body and compress the contents thereof and by providing the openings 14, the plunger may be readily adjusted to extend into the body substantially its full length.

When the product is to be compressed within the cylinder, the lever 4 is thrown to a vertical position and as the pivot point of said lever is below the pivot point of the connecting rod 15, it will be readily seen that the upward movement of the lever will elevate the plunger 12 out of the body 7, leaving said body resting upon the end section 6. A new supply of the product to be compressed is then placed in the cylindrical body and the lever 4 again lowered which will cause the plunger to descend into the body and compress the products therein, when the lever is again thrown upwardly and secured in its elevated position by means of a hook or the like 16, said hook holding the lever in its elevated position until the body 7 can be removed from the end section and the product within the body removed therefrom, when the body is returned to its initial position and the same operation again performed.

This device is primarily employed for compressing cheese products, but it will be readily understood that it can be used for many purposes, such as extracting juice from ground apples or from grapes and it can be also used in making lard, pressing cotton, tobacco, etc. and by removing the cylindrical body 7, books may be placed against the end section 6 and the plunger 12

forced thereagainst for copying work or for holding the books against spreading. It will further be seen that the press can be very cheaply constructed and readily applied to use and that any quantity of the product may be placed in the cylindrical body at one operation. It will likewise be seen that the entire weight of the parts suspended from the standard will be used in forcing the plunger into the body, thereby automatically operating the press. It will also be seen that the body 7 and trough 5 may be made in any suitable shape instead of circular.

What I claim is:

1. A press of the class described, comprising the combination with a frame and a standard on said frame; of a two-part lever pivotally secured at one end to said standard, a body carried by said lever, a plunger adapted to enter said body, a connecting rod attached at one end to said plunger and at its opposite end to said standard, whereby when the lever is raised or lowered, the plunger will be moved into or out of said body.

2. In a press of the class described, the combination with a standard, a lever pivotally secured at one end to said standard, a trough, having an end section, a perforated body carried by said trough and resting against said end section, a plunger adapted to enter said body, a shank attached to said plunger and having a plurality of openings therethrough and a connecting rod extending from said body adapted to be adjustably secured to said shank and pivotally secured to said standard, whereby when the lever is raised or lowered, the plunger will be operated.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AMOS C. TUBBS.

Witnesses:
JAS. O. COURTNEY,
E. J. COURTNEY.