

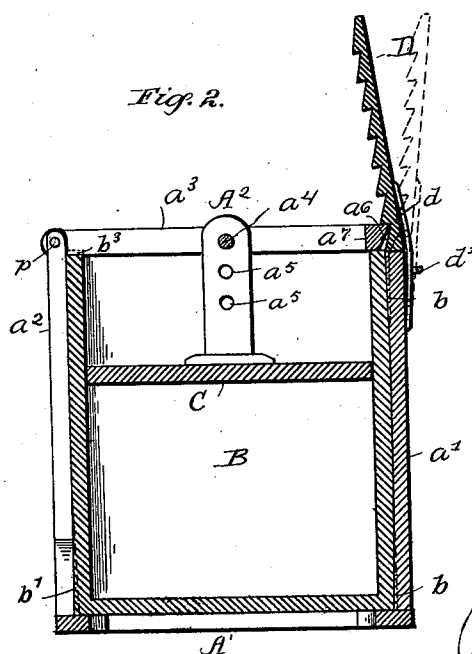
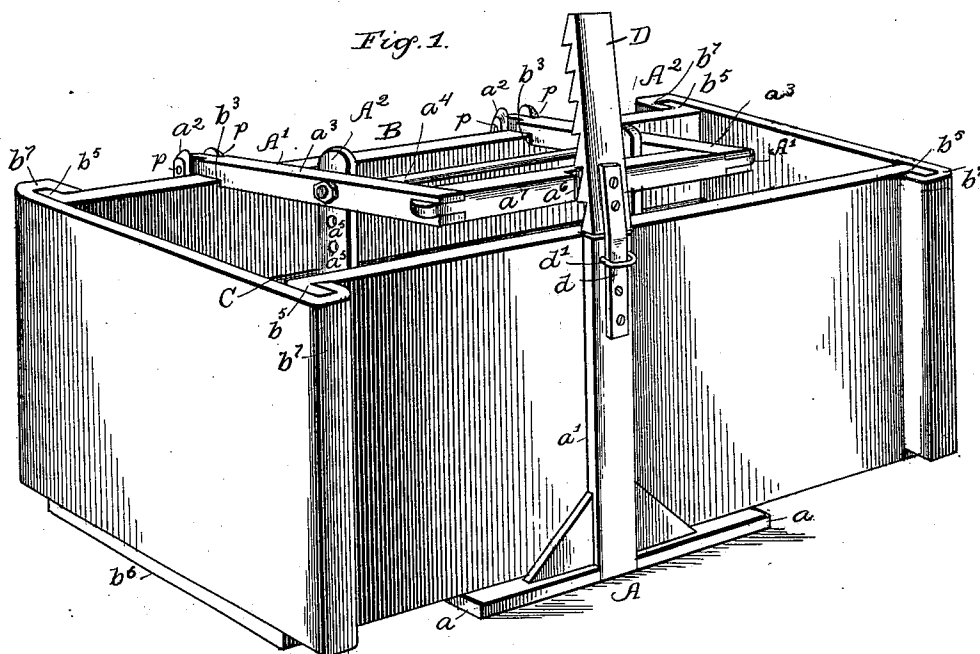
(No Model.)

3 Sheets—Sheet 1.

J. W. CLAPP.
MEAT PRESS.

No. 561,091.

Patented June 2, 1896.



Witnesses
Frances O'Rear
Chas. W. Boyle.

 Inventor
J. W. Clapp,
by J. R. Litter, Attorney

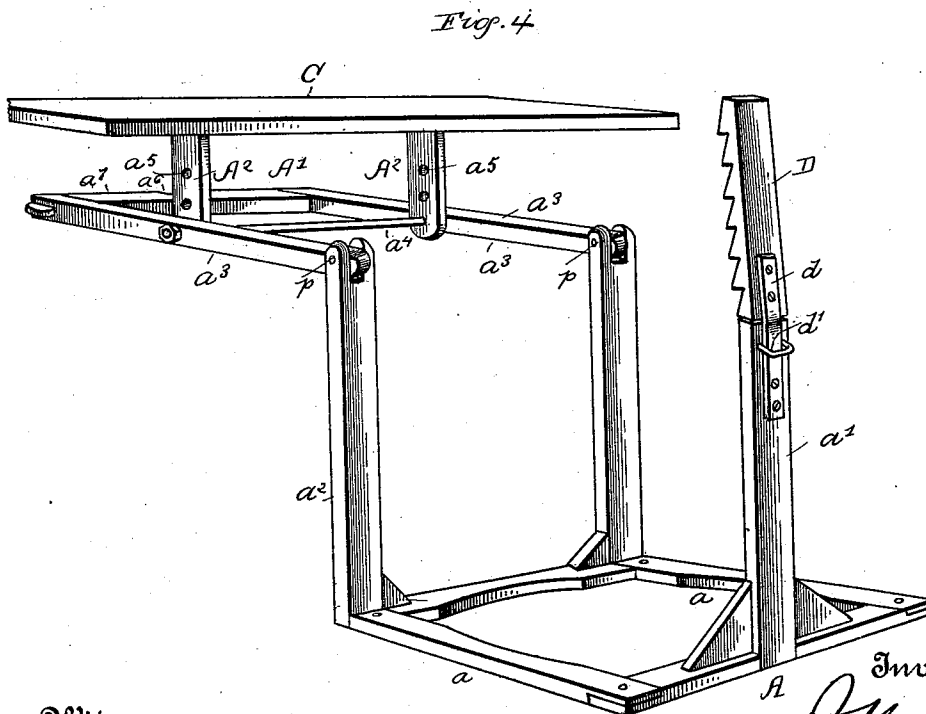
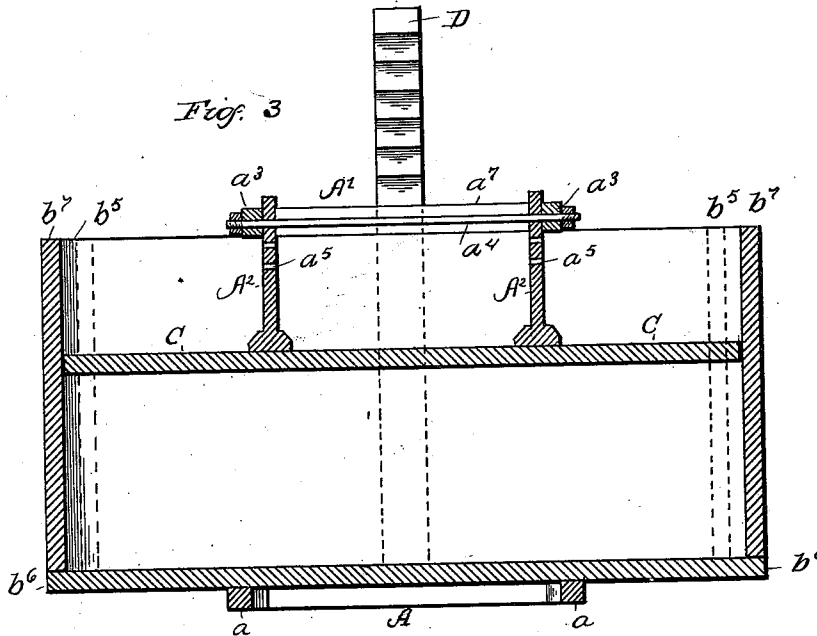
(No Model.)

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J. W. CLAPP.
MEAT PRESS.

No. 561,091.

Patented June 2, 1896.



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(No Model.)

3 Sheets—Sheet 3.

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Fig. 5.

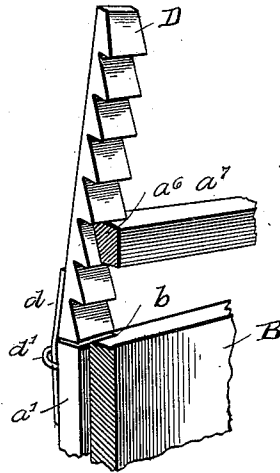


Fig. 6.

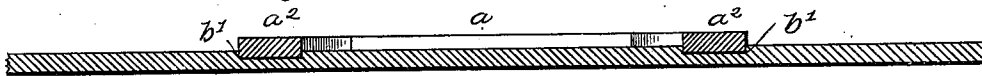


Fig. 7.

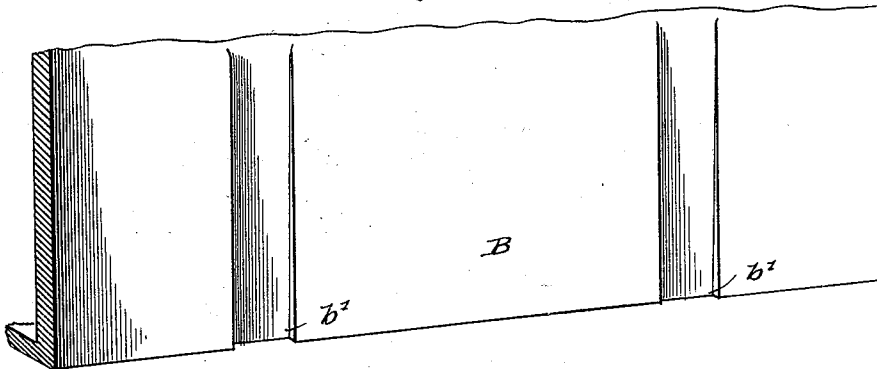
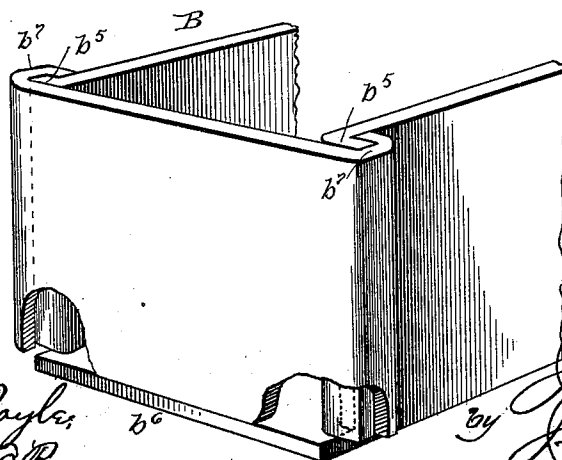


Fig. 8.



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UNITED STATES PATENT OFFICE.

JOHN WILLARD CLAPP, OF BROCKTON, MASSACHUSETTS.

MEAT-PRESS.

SPECIFICATION forming part of Letters Patent No. 561,091, dated June 2, 1896.

Application filed February 16, 1895. Serial No. 538,696. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILLARD CLAPP, a citizen of the United States, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Meat-Presses; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to that class of presses or apparatus which are designed for pressing meat, &c., in a suitable vessel; and it has for its object to provide an improved press of this character which will be especially adapted for pressing cooked meat, and which will, furthermore, possess advantages in point of simplicity, inexpensiveness, adaptability, adjustability, convenience, and facility in operation, effectiveness, and general efficiency.

In the drawings, Figure 1 is a perspective view of my improved meat-press. Fig. 2 is a vertical transverse sectional view. Fig. 3 is a vertical longitudinal sectional view. Fig. 4 is a perspective view of the frame with the pan or vessel detached. Fig. 5 is detail perspective view showing the ratchet-plate and lever-frame. Fig. 6 is a detail transverse sectional view. Fig. 7 is a detail perspective view showing the recesses in the face of the pan or receptacle. Fig. 8 is a detail perspective view of one end of the pan or receptacle.

Referring to the drawings, A designates the framework, which comprises a horizontal base-frame a , preferably rectangular, at the front of which rises a front standard or upright a' and at the rear of which rise two uprights or standards $a^2 a^2$.

The pan or vessel B, in which is placed the meat or material to be pressed, is preferably rectangular in form and is received within the frame A and inclosed thereby. The pan or box B rests upon the base-frame a and between the front and rear uprights a' and a^2 , and is thus removably mounted in the framework. The front and rear faces of the pan B are preferably provided with vertically-arranged beveled or inclined recesses b and b' , respectively, corresponding to the front and rear uprights a' and a^2 of the framework, by which construction and arrangement the

pan is more securely bound in position during the operation of the press.

The top of the pan or receptacle B is open, as shown, and within the latter moves a corresponding horizontally-mounted plunger C, which is carried and operated by a lever-frame A', pivotally mounted upon the rear uprights of the framework. This lever-frame comprises two cross-bars $a^3 a^3$, respectively pivoted to the tops of the rear uprights $a^2 a^2$, as shown at $p p$. These cross-bars are connected by a longitudinally-arranged rod a^4 , from which pivotally depend two standards $A^2 A^2$, secured at their lower ends to the plunger C, which standards thus carry the latter. In said standards are provided a vertical series of perforations a^5 for the adjustment of the standards upon the rod a^4 , by which arrangement the vertical adjustment of the plunger with relation to the horizontal plane of the cross-bars $a^3 a^3$ is provided for according to the quantity of meat or material to be pressed in the receptacle B. The rod a^4 is removably secured in any suitable manner to provide for the adjustment just described.

It will be understood that by the vertical movement of the lever-frame upon its pivots upon the main framework the plunger is operated in a horizontal position in the receptacle B to press the meat or other material contained therein. The lever-frame and plunger may be thrown upwardly and back out of position to enable the filling or removal of the contents of the receptacle B or the removal of the pan or receptacle itself from the framework.

In the top edge of the rear wall of the receptacle B are preferably provided recesses $b^3 b^3$, corresponding to the cross-bars $a^3 a^3$, which recesses receive the latter during the operation of the press and serve to retain the pan or receptacle more securely in proper relative position with relation to the lever-frame and plunger.

Secured to the front ends of the cross-bars $a^3 a^3$ of the lever-frame is a front cross-bar a^7 , provided with a beveled recess a^6 , forming an edge engaging an upright ratchet-plate D, projecting above the pan or receptacle B and mounted upon a spring-plate d , secured to the top of the front upright a' . Normally the ratchet-plate inclines rearwardly upon its

spring *d*, and the play of the latter is limited by a staple *d'* upon the face of the upright *a'*. As the lever-frame is forced down in the operation of pressing it engages the ratchet-plate, and is thus held in position for pressing the meat or contents of the receptacle B continuously for the desired time. To release the lever-frame and enable the elevation of the same or the withdrawal of the plunger, it is only necessary to force the ratchet-plate outwardly upon its spring.

The pan or receptacle B is preferably formed of heavy tin or light sheet-iron, and the framework and lever-frame of iron; but any suitable material may of course be employed. The device may also be made of various sizes adapted for different quantities and specific uses.

By reason of the general construction of the frame and lever-frame, the latter being of a double construction having two bearings upon the plunger, great pressure and an effective operation are secured with minimum power and the durability of the device enhanced.

If desired, the pan or receptacle B may be formed with removable ends to permit the removal of the contents after pressing, as shown in Fig. 8. In this construction the pan B is preferably formed of heavy tin or sheet metal, bent up to form the bottom and sides, and the end edges of the sides are turned outwardly to form flanges *b⁵b⁵*, as shown. This leaves a projecting bottom flange *b⁶* at each end of the bottom proper.

The removable ends of the pan are formed of separate pieces, of corresponding material, having their end edges bent to form approximately V or U shaped vertical angular flanges *b⁷b⁷*, by which construction and arrangement the removable end pieces may be slid upwardly or downwardly on the flanges *b⁵b⁵*, by which latter flanges the end pieces are securely retained in position. When in normal position, the end pieces rest upon the bottom end flanges *b⁶*. This construction of pan or receptacle is strong and serviceable,

and provides for the convenient removal of the end pieces when desired without removing the entire pan or receptacle from the framework.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A press of the class described, comprising the framework embodying the front and rear uprights, the pan or receptacle mounted in the framework between said front and rear uprights, the lever-frame pivoted to the rear uprights and embodying the transverse front cross-bar and carrying the plunger, the ratchet-plate projecting from the top of the front upright of the inclosing frame and carried upon the spring-plate secured to said upright, said ratchet-plate being adapted to engage the transverse front cross-bar of the lever-frame, and the limiting-staple *d'* secured to the front upright and inclosing the spring, substantially as set forth.

2. The herein-described improved press, comprising the framework embodying the base portion and the front and rear uprights, substantially as described, the removable pan or receptacle mounted in the framework between said front and rear uprights, the approximately rectangular lever-frame embodying the side cross-bars pivoted to the rear uprights of the inclosing frame and connected by the transverse front cross-bar, the plunger pivotally carried by standards depending from each of the side cross-bars of the approximately rectangular lever-frame, and the ratchet-plate D projecting from the top of the front upright of the inclosing frame and carried upon the spring-plate secured to said upright, said ratchet-plate projecting inwardly into engagement with the front edge of the transverse front cross-bar of the lever-frame, substantially as and for the purpose set forth.

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

JOHN WILLARD CLAPP.

Witnesses:

ARTHUR ANNETT,
C. C. HARLOW.