

J. CLARK.
Wine and Cider Presses.

No. 148,034.

Patented March 3, 1874.

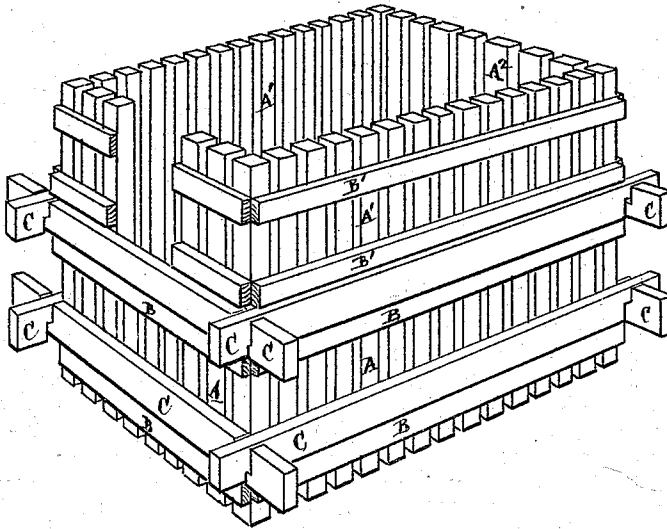


Fig. 1

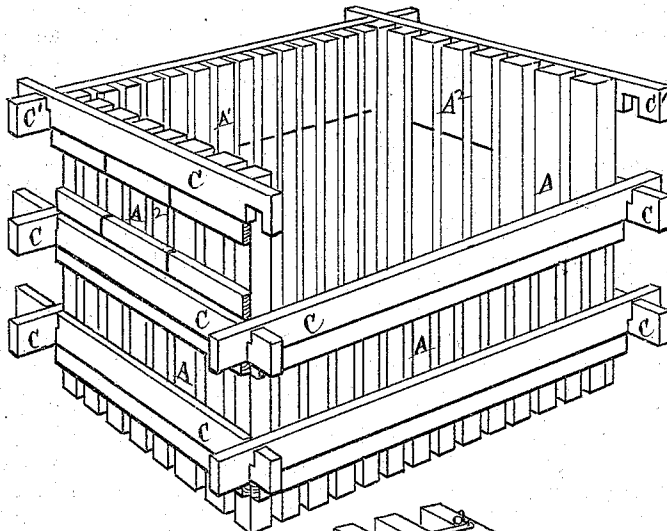


Fig. 2

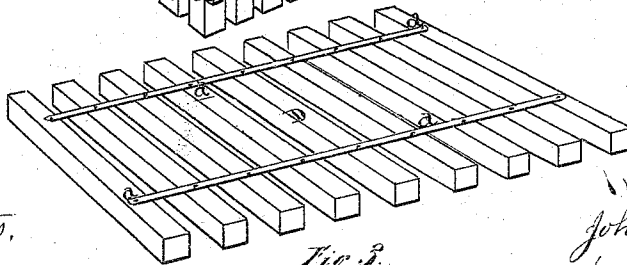


Fig. 3

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JOHN CLARK, OF DETROIT, MICHIGAN.

IMPROVEMENT IN WINE AND CIDER PRESSES.

Specification forming part of Letters Patent No. **148,034**, dated March 3, 1874; application filed September 6, 1873.

To all whom it may concern:

Be it known that I, JOHN CLARK, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Cribs and Pomace-Frames for Wine and Cider Presses, of which the following is a specification:

The nature of this invention relates to an improvement in the construction of the cribs of wine and cider presses, and to the pomace-frames used in connection therewith, the object being, first, to facilitate the placing in and the removal of the "cheese;" secondly, to avoid the necessity, when the cheese is partially pressed, of backing up the follower and putting in of more blocking under it to complete the pressing; thirdly, to avoid inequalities in the degree of pressure throughout the cheese to break the pomace-frames by the use of such as will give to inequalities in the mass; and, fourthly, to produce clear and limpid juice by the substitution of flexible pomace-frames and factory-cloth for straw or coarse burlaps, the use of which is enabled by the said frames. The invention consists in the peculiar construction of the crib and flexible pomace-frames.

Figure 1 is a perspective view of the crib, with one of the end or follower sections removed. Fig. 2 is a similar view, showing one of the upper sections of the longer sides removed. Fig. 3 is a perspective view of a flexible pomace-frame extended.

In the drawing, A A represent vertical bars of wood, square in section, to which are nailed, on the outer side, the rails B B, near their upper and lower ends, forming the sides and ends of the crib, the panels being secured by the notched bars C, interlocked at the corners. The bars of the end panels are of full length, usually four feet, while those of the longer sides are but half that height. A¹ A¹ are the bars of the upper half of each longer side of the crib, to all of which are nailed the rails B B'. These bars rest upon the tops of the lower ones, being secured as panels at the bottom by the upper set of notched bars C, while their upper ends are secured by the upper set of notched bars C'. The middle set of bars C overlap the lower ends of the bars of the upper panels, and the upper ends of those of the lower panels, so that the three sets of notched bars will keep

the four sides of the crib in place. A small panel, A², in the upper half of each end panel is made removable, so that, in the descent of the follower to the top of the crib, they may be removed, and thus allow the pressing to be completed without being under the necessity of backing up the follower and placing blocks under it, as has heretofore been the case. The pomace-frames are composed of a series of bars, D, connected by cords *a*, tacked to them near their ends, making them perfectly flexible.

As ordinarily constructed, press-cribs are four feet deep, and are awkward and unhandy to fill with pomace, and to remove the cheese. By dividing the sides the process is much facilitated, and the labor lightened.

In laying up the cheese, a flexible frame is first laid in, and on it a fine factory or cotton muslin, large enough to fold over the layer, is laid, and on it is spread the pomace to a depth of about five inches. The cloth is then folded over the layer, and on it is placed another frame, and another layer, as before, and so on until the crib is filled to the top. By using the flexible frames in this manner I am enabled to use fine cloth, instead of straw or coarse burlaps, through which to strain the expressed juice, and thus arrest the smaller particles of crushed fruit, which discolor and give a bad flavor to the cider or wine, and thereby make a clear and bright article, much more valuable than that made in the ordinary way.

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

1. The slotted press-crib, having its longer panels constructed in two sections, the whole being secured by the notched bars C C C', substantially as described and shown.

2. In a sectional press-crib, constructed substantially as herein described, the removable panels A² in the ends thereof, in the wake of the follower, as and for the purpose set forth.

3. A flexible pomace-frame composed of the bars D, connected by the cords *a*, substantially as described and shown.

JOHN CLARK.

Witnesses:

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