

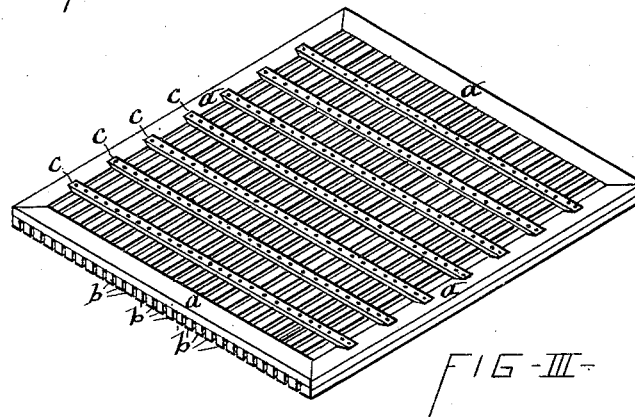
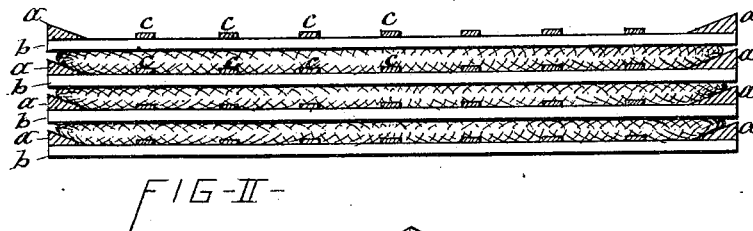
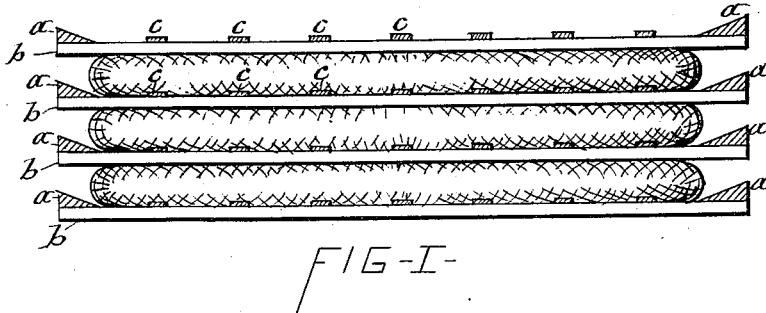
(No Model.)

R. E. BOSCHERT.

RACK FOR WINE AND CIDER PRESSES.

No. 304,494.

Patented Sept. 2, 1884.



WITNESSES

*C. Bendixon*

*Wm C. Raymond*

INVENTOR

*Rufus E. Boschert*

*per Amos L. Loring*  
*his Atty.*

# UNITED STATES PATENT OFFICE.

RUFUS E. BOSCHERT, OF SYRACUSE, NEW YORK.

## RACK FOR WINE AND CIDER PRESSES.

SPECIFICATION forming part of Letters Patent No. 304,494, dated September 2, 1884.

Application filed April 23, 1884. (No model.)

### *To all whom it may concern:*

Be it known that I, RUFUS E. BOSCHERT, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Racks for Wine and Cider Presses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The purpose of this invention is to produce around the margin of the pomace the same pressure as applied to the center or main portion thereof, and thus obviate the loss of the juice which is usually retained in the marginal portion of the pomace, owing to the lateral yield of said portion to the vertical pressure received from the press; and to that end my invention consists of a rectangular frame having an inwardly-beveled top surface extended around the four sides of the frame, slats secured to the underside of the frame, and cleats placed crosswise upon the top of and secured to the respective slats and lapped onto the beveled top of the frame and attached thereto, all as hereinafter more fully explained, and set forth in the claim.

Referring to the annexed drawings, Figures 1 and 2 are vertical transverse sections of my improved racks with the pomace intervening, illustrating the effect of my improvement; and Fig. 3 is a detached perspective view of one of the racks.

Similar letters of reference indicate corresponding parts.

*a a* represent a wooden frame, generally of rectangular form, and of the requisite size to be properly supported by the bed of the press, and receive the pressure of the follower. Said frame has the upper surface of the four sides beveled inwardly to form around the entire margin of the rack an inclined ledge. To the under side of the frame *a a* are attached the usual cross cleats or slats, *bb*, arranged proper distances apart to allow the juice expressed from the pomace to escape between them.

*c c* are cleats placed crosswise upon the top of the slats *b b*, and lapping with their ends onto the frame or ledge *a*, and secured to both the slats *b* and frame, to sustain the same later-

ally. If desired, another similar ledge may be attached to the margin of the underside of the rack.

The effect of the described pomace-rack is as follows: The racks being placed successively in the requisite position in the press, with the pomace enveloped in cloth interposed between the racks in the usual manner, as shown in Fig. 1 of the drawings; and then subjected to the vertical pressure of the press, causes the pomace to exert a lateral strain, which heretofore was resisted solely by the cloth enveloping the edge of the pomace; but, owing to the lack of stability of the cloth, the marginal portion of the pomace did not receive the requisite pressure to express all the juice and render said portion of the pomace as compact as the central portion thereof. This defect is overcome by the marginal ledge *a a*, which to a great extent prevents the spreading of the pomace under pressure, and at the same time produces increased pressure on the marginal portion of the pomace, thereby expressing all the juice from the same and producing a pomace of uniform density or compactness throughout.

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

The improved pomace-rack, consisting of the rectangular frame *a*, having an inwardly-beveled top surface extended around the four sides of the frame, slats *b b*, secured to the under side of the frame, and cleats *c c*, placed crosswise upon the top of and secured to the respective slats, and lapped onto the beveled top of the frame *a* and attached to the same, substantially in the manner specified and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 28th day of March, 1884.

RUFUS E. BOSCHERT. [L. S.]

Witnesses:

F. H. GIBBS,  
C. BENDIXON.