

F. POTTER.

Improvement in Provision-Presses.

No. 127,427.

Patented June 4, 1872.

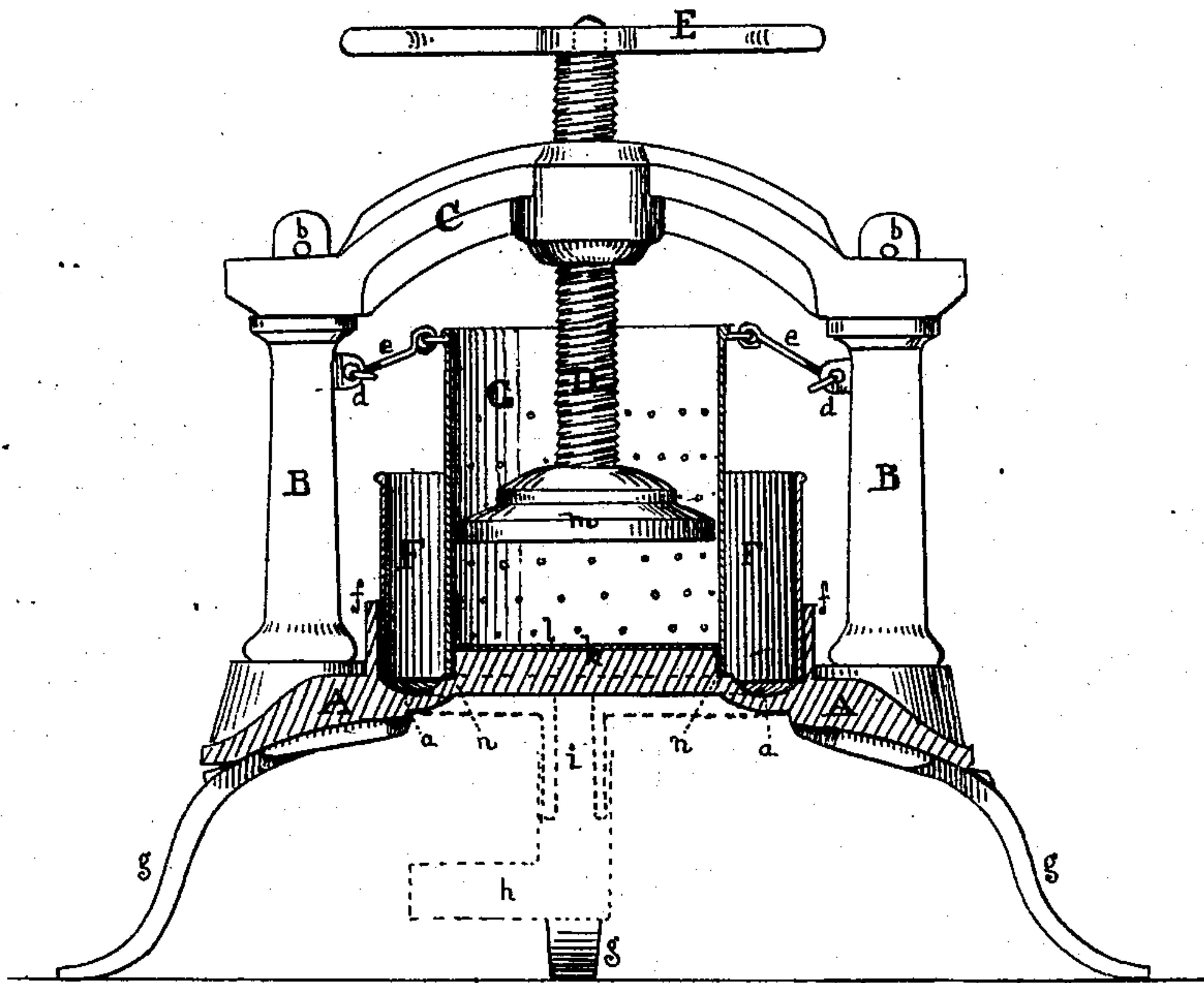


Fig. 1. being Vertical Sec. thro' a-a-a-a. fig. 2.

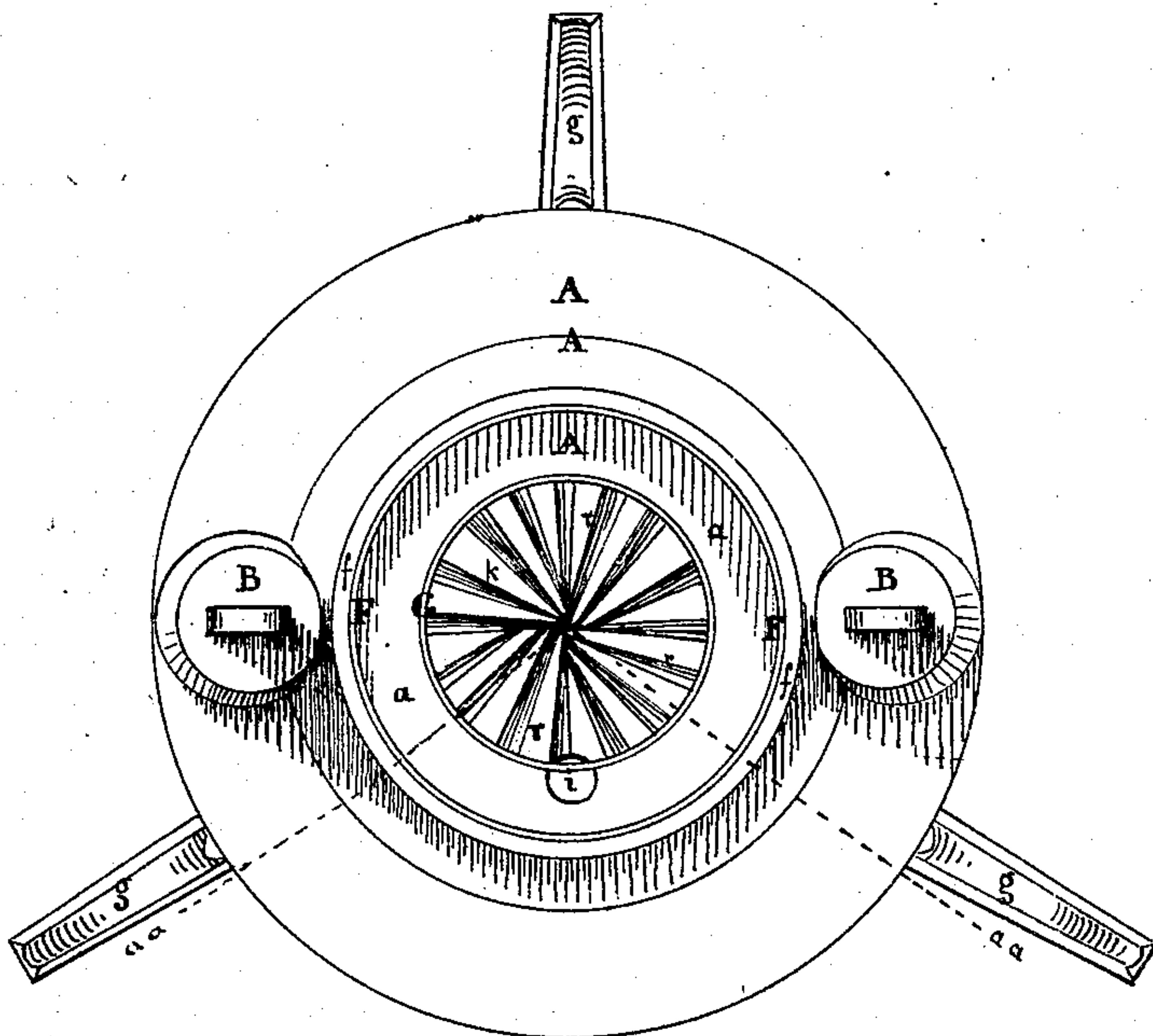


Fig. 2.

Plan, with "Screw" & Supporting  
"Cross-piece" removed.

Witnesses  
Henry H. Wells  
James Morse

Inventor  
Frederick Potter  
by Edmund Hurlow  
his Attorney.



# UNITED STATES PATENT OFFICE.

FREDERICK POTTER, OF RUSHVILLE, ILLINOIS.

## IMPROVEMENT IN PROVISION-PRESSES.

Specification forming part of Letters Patent No. 127,427, dated June 4, 1872.

*To all whom it may concern:*

Be it known that I, FREDERICK POTTER, of Rushville, in the county of Schuyler and in the State of Illinois, have invented a Domestic Provision-Press; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a vertical section through lines *a a a a*, Fig. 2; Fig. 2, a plan of the same. Scale of drawing, three inches to one foot.

This invention consists of a base with side supports which carry a cross-piece, the latter being fitted with a vertical screw and hand-lever. A cylindrical reservoir, terminating in an annular groove at the bottom, forms the base of the press, into which is set a cylindrical receiver to retain the juices, and within this another, a perforated cylinder, in which closely fits and is worked the piston on the lower end of the vertical screw. The juices run off on pressure along radiating grooves on the base of the press into the before-mentioned annular groove, and thence through an aperture in said groove into a receptacle below.

A is a circular horizontal bed-plate or base of the press, mounted on legs *g g g g*, and having a vertical rim, *f*, on its outer edge, and immediately within this an annular groove, *a*, which is the deepest part of the hollow of the press within said rim *f*. Above and within said groove *a* rises a platform, *k*, having radiating grooves *r r*, &c., running into the groove *a*, the latter having an aperture, *i*, at the bottom, through which escape the expressed juices, &c., which may be conducted, by means of an elbow-pipe, *h*, into the desired receptacle. B B are vertical supports sustaining the cross-piece C, which carries the screw D, and terminate above in each case with a staple, *b*, to retain the end of the cross-piece C, which is secured by means of a pin; D, the screw, having above a hand-lever, E, and ending below with the piston *m* of the same diameter as the face of the central platform *k*. F is a light non-corrosive hoop or cylinder, which stands within and against the sides of the rim *f*, and rests upon the small annular ledge next

to said rim at the boundary of the groove *a*. G is a non-corrosible interior hoop or cylinder, perforated, and standing on the ledge *n*, which surrounds the platform *k*, and is much higher than the outer hoop F, as it is the receptacle for provisions to be pressed. It is prevented from being carried round by force of the piston *m* (acted upon by the screw) by the hooks *e e* attached to eyes in their respective columns or supports B B.

The operation of this press needs little description. The fruit, meat, or whatever else is desired to be treated by pressure is put into the inner hoop G, and pressure applied by means of the screw and piston. The juice, if any there be in the pressed article, will be conducted along the radial grooves *r r*, &c., on the surface of platform *k*, and thence into the surrounding groove *a*, which conducts it further through the vertical aperture *i*, passing through the base of the press, into a spout or elbow, *h*, which will pass it into a proper receptacle. The perforated tin or galvanized-iron mat *l*, (seen in section in Fig. 1,) lying on the face of the platform *k*, prevents the pressed material from choking the grooves *r r*, &c., and also assists in raising the debris or pressed material from the platform when the hoop G is withdrawn. The exterior hoop F prevents the spirting out of juice, and both hoops G F can be removed, when the operation is over, by extracting the pins which retain the cross-piece C upon the supports B B, and lifting the screw D off of the press.

What I claim as my invention is—

1. The provision-press herein described, consisting of the raised platform *k*, grooves *r r*, perforated cylinder F, annular groove *a*, rim *f*, standards B, cross-piece C, piston *m*, and screw, substantially as set forth.

2. In a press for pressing fruit, provisions, &c., the combination of the outside hoop F with an interior perforated cylinder, G, and the base *k A f*, substantially as set forth.

In testimony that I claim the foregoing domestic "provision-press" I have hereunto set my hand this 14th day of December, 1871.

FREDERICK POTTER.

Witnesses:

W. L. NOBLE,  
EDWARD P. VAIL.