

J. S. BOGLE.
Cider and Wine Press.

No. 162,609.

Patented April 27, 1875.

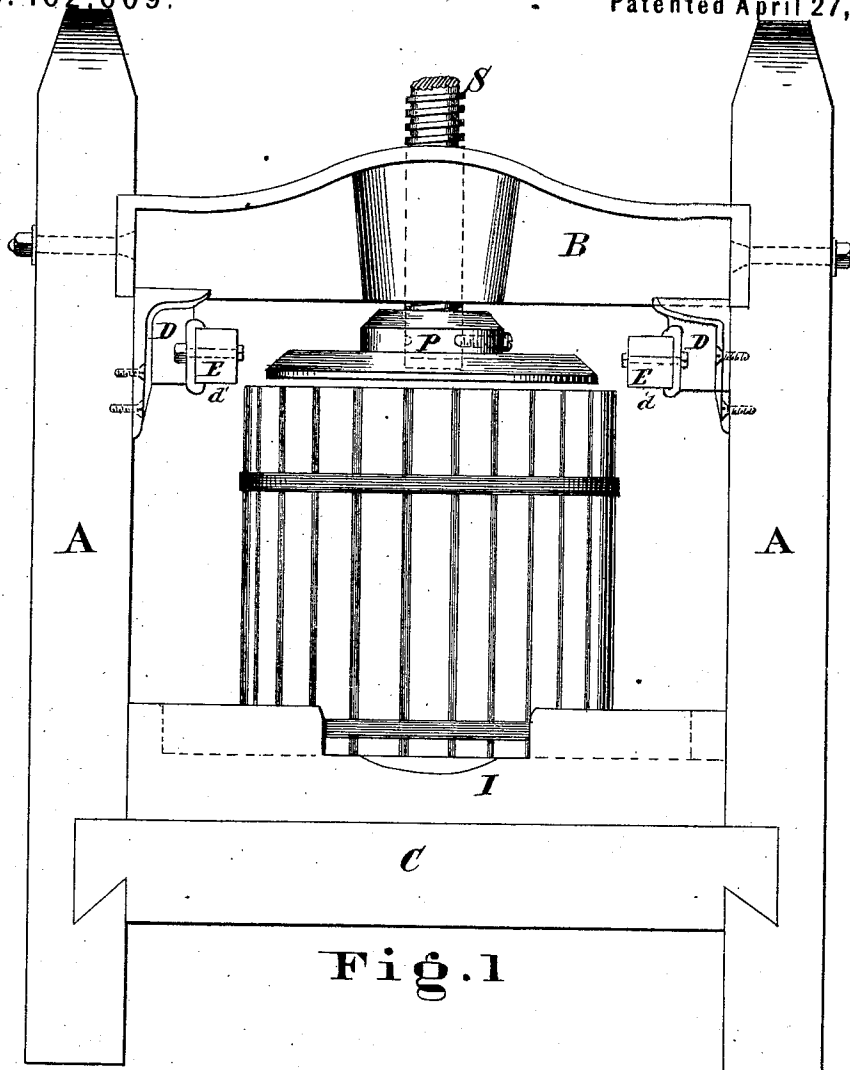


Fig. 1

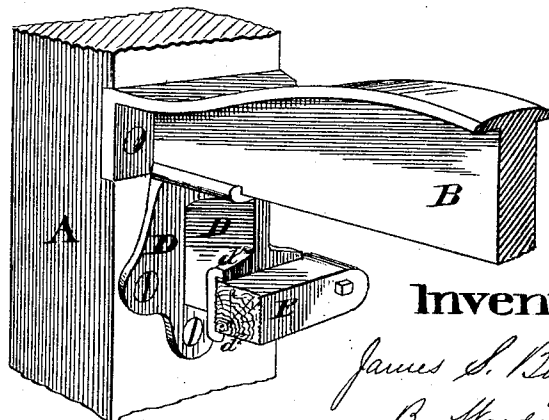


Fig. 2

Attest
Henry Millward
John O'Gara

Inventor

James S. Bogle
By Hood & Boyd
his Attorneys.

UNITED STATES PATENT OFFICE.

JAMES S. BOGLE, OF SPRINGFIELD, OHIO, ASSIGNOR TO THOMAS, LUDLOW & RODGERS, OF SAME PLACE.

IMPROVEMENT IN CIDER AND WINE PRESSES.

Specification forming part of Letters Patent No. **162,609**, dated April 27, 1875; application filed April 5, 1875.

To all whom it may concern:

Be it known that I, JAMES STEWART BOGLE, of Springfield, in the county of Clarke and State of Ohio, have invented certain new and useful Improvements in Mills for Grinding Fruit, Vegetables, &c., and pressing juice therefrom, of which the following is a specification:

The invention relates to the frame-work of the mill, and is an improvement upon the manner of supporting the platform which carries the grinding mechanism shown in reissued Letters Patent, No. 5,978, granted to Thomas, Ludlow & Rodgers, July 21, 1874, to which reference is made for a full description of the other parts of the frame; but the improvement is equally applicable to frames constructed with four posts. The object of the invention is to strengthen and steady the frame, while at the same time permitting the employment of a narrow platform for supporting the grinding mechanism, which is located close to the pomace-tubs, whereby the fruit is more conveniently introduced and ground.

Figure 1 is a front end elevation of a mill containing my invention, and Fig. 2 a perspective view of a part of the same.

A represents the front posts of the mill-frame; B, the press-beam; S, the screw; E E, the rails which support the grinding mechanism; I, the platform which carries the pomace-tubs, and C a girder connecting the front posts, all of which may be made in any of the ordinary forms.

The invention consists in the use of brackets D D, secured to the posts A A by bolts or screws, to which the front ends of the rails E E are attached. These rails are preferably located close to the top of the pomace-tubs, in order to avoid scattering of the juice of the fruit in descending from the rollers, while at the same time such construction brings the grinding mechanism into a better position for the application of hand-power, and the hop-

per more conveniently in reach of the operator, and the mechanism being closer to the base the whole is steadier. The use of the brackets enables this arrangement, as there is sufficient space between the press-beam and the under side of the platform, to allow of the elevation of the step-plate P on the end of the screw S, so that the tubs may be passed under it.

The brackets are preferably placed in the angles formed by the posts and the press-beam, so as to act as braces in strengthening the frame, and are provided with flanges or grooves to engage with the press-beam in such a way as to stiffen the whole and the better to resist jarring, or they may be connected by teats or bolts; but it is obvious that they may be secured to the posts, so as, in an inferior manner, to support the ends of the platform, without being connected to the press-beam. The brackets are provided with lugs *d'*, between which the ends of the rails are bolted. These flanges serve to strengthen the connection; but it is obvious that they may be dispensed with, and still the rails be carried by the lugs in an inferior manner.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The brackets D D, having lugs *d d* attached to the posts of a fruit-mill, substantially as and for the purpose specified.

2. In a fruit-mill frame, the brackets D D, provided with flanges *d' d'*, substantially as and for the purpose specified.

3. In combination with the posts A A and press-beam B, the brackets D D, acting as braces to the mill and supports for the grinding-frame, substantially as described.

In testimony whereof I have hereunto set my hand this 31st day of March, 1875.

JAMES S. BOGLE.

Witnesses:

EDWARD BOYD,
JOHN O'GARA.