

(No Model.)

W. R. HALLETT.

BARREL PRESS.

No. 316,030.

Patented Apr. 21, 1885.

Fig. 1.

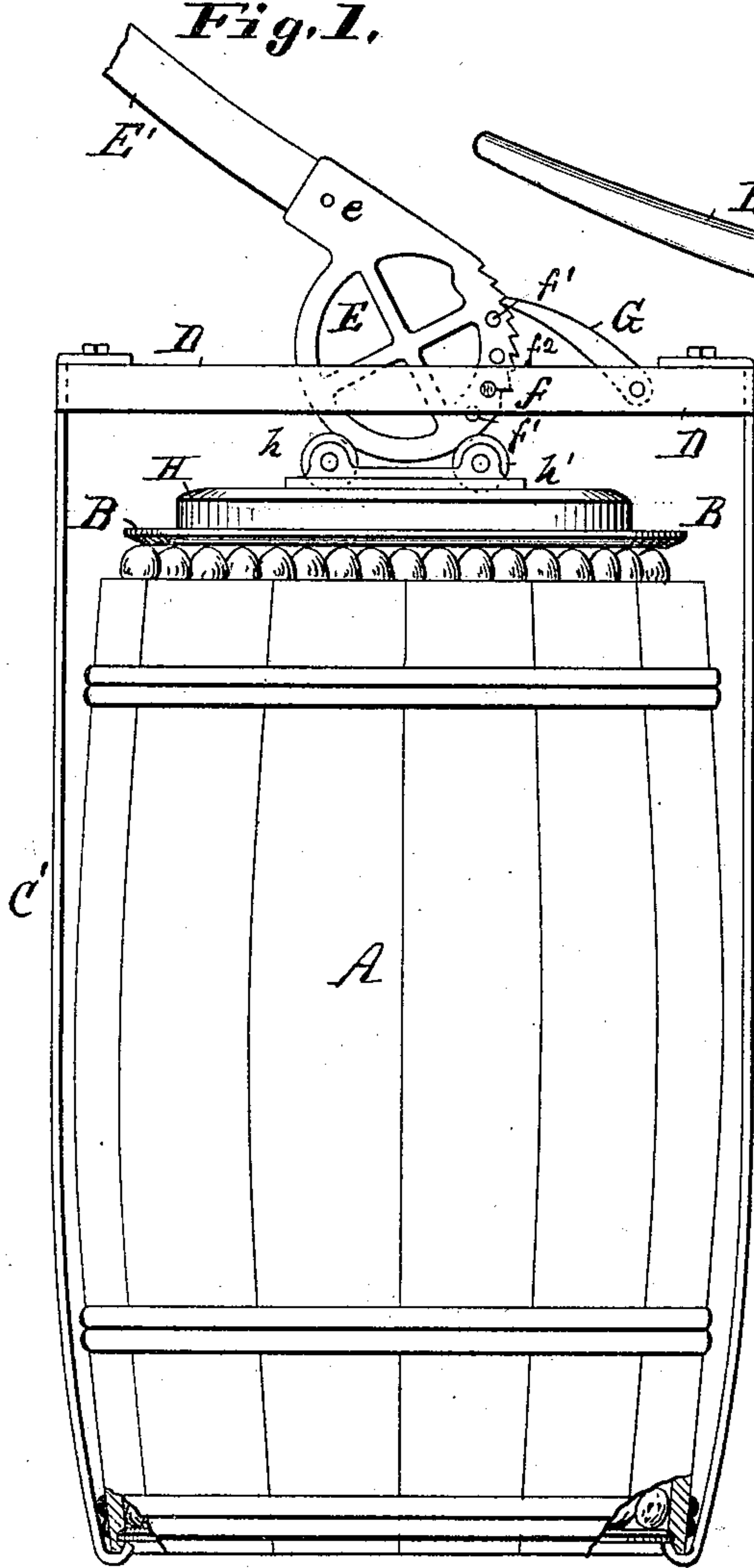


Fig. 2.

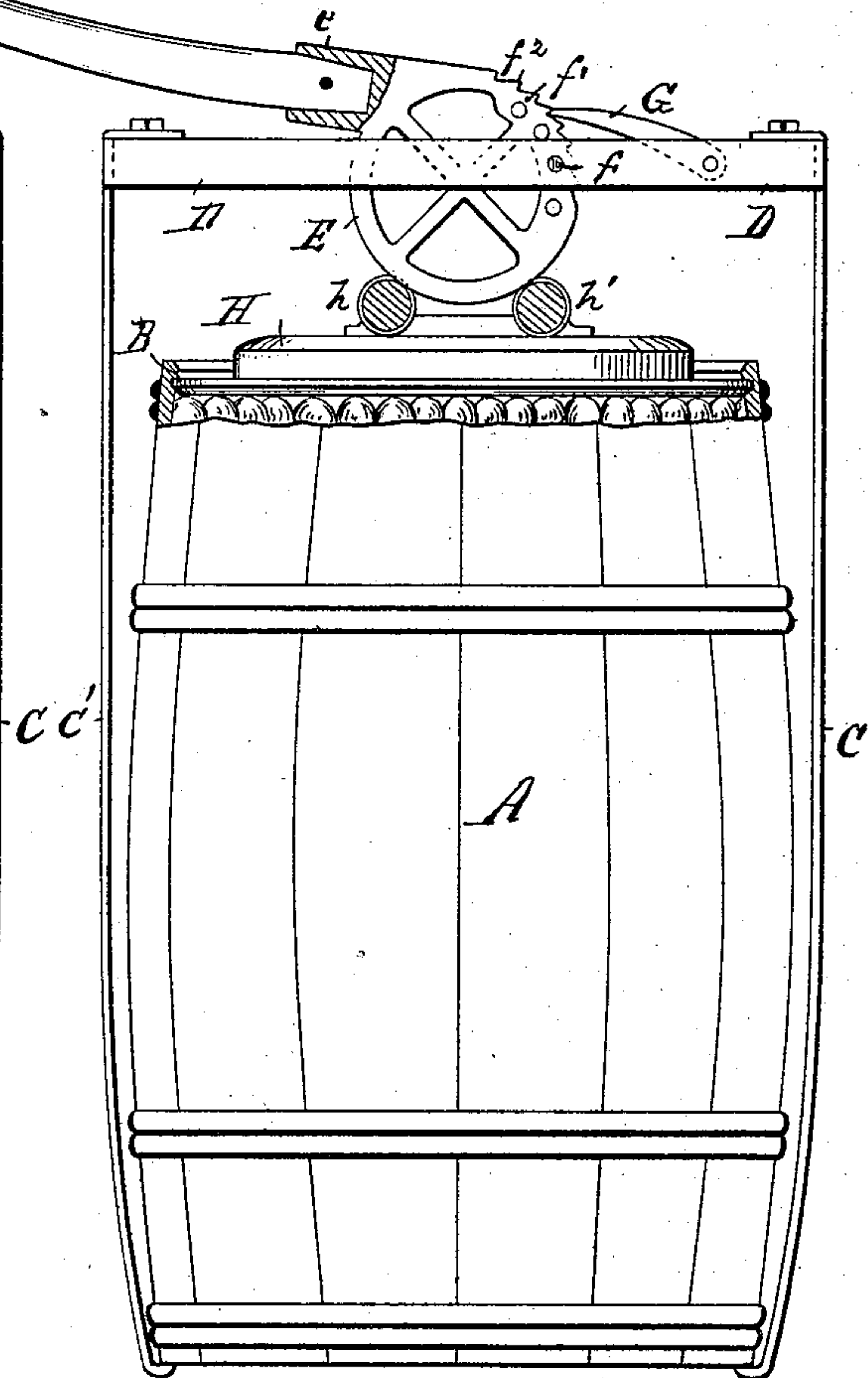


Fig. 3.

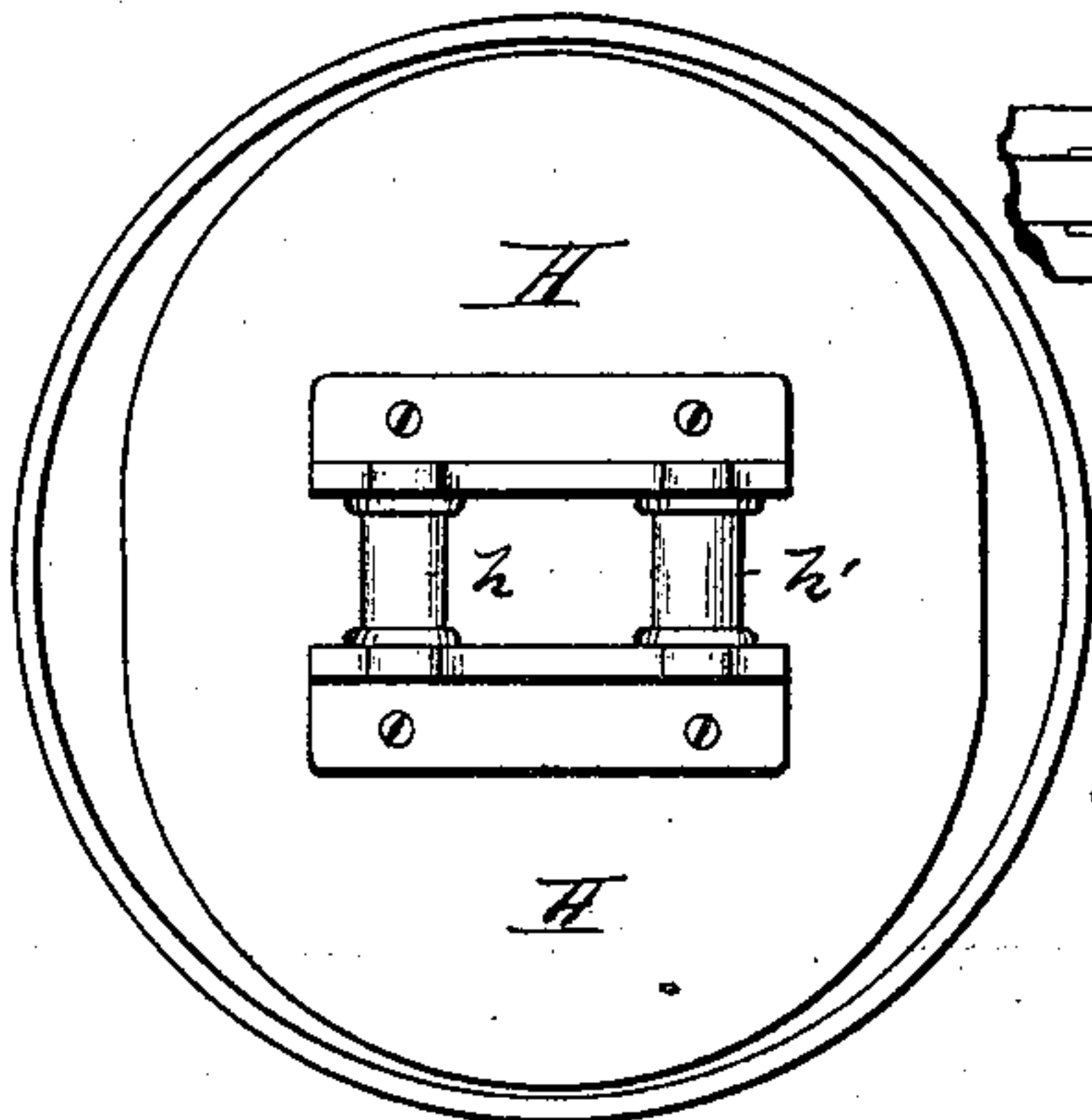
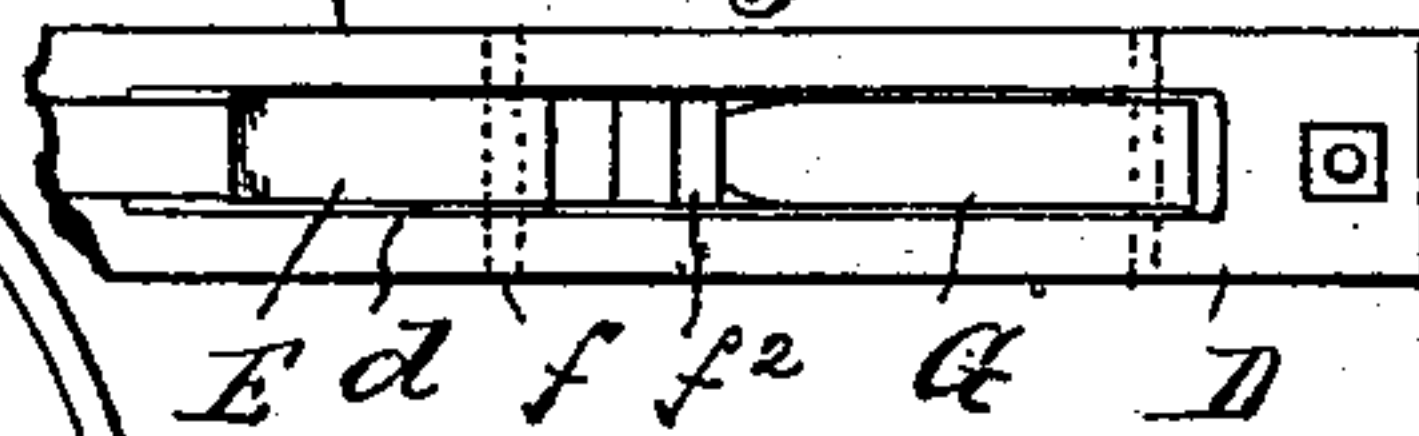


Fig. 4.



Attest:

Charles Pickles
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Atty's

UNITED STATES PATENT OFFICE.

WILLIAM R. HALLETT, OF BATCHTOWN, ILLINOIS, ASSIGNOR OF ONE-HALF
TO JAMES R. DOUGLAS, OF SAME PLACE.

BARREL-PRESS.

SPECIFICATION forming part of Letters Patent No. 316,030, dated April 21, 1885.

Application filed October 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. HALLETT, a citizen of the United States, residing at Batchtown, in the county of Calhoun and State of Illinois, have invented a new and useful Improved Barrel-Press, of which the following is a specification.

In this press the platen is operated by a cam-wheel and its hand-lever for purposes of pressing apples, fruit, or other contents requiring to be packed immovable and compactly in a barrel, at the same time forcing the head of the barrel to its seat in the croze and retaining it there until the barrel-head is properly secured and the parts hooped. Further, the cam-wheel can be adjustably pivoted to adapt its pressure action to suit requirements. The platen has a bearing of rollers, top of which the cam-wheel engages, and otherwise the construction and arrangement of the parts are such as to render the press in its operation most effective, time and labor saving. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation representing the barrel filled with apples and the press parts arranged preparatory to forcing the contents in the barrel and securing the barrel-head. Fig. 2 is a similar view of the same parts after the press has been operated to exert its pressure, showing the barrel-head as properly closing the barrel and confining its contents. Fig. 3 is a plan view of the platen or follower, with its bearing of rollers.

Similar letters refer to similar parts throughout the several views.

A represents the barrel closed at bottom. B represents the barrel-head to close the top in manner usual.

C C' are the side bars. These at their lower ends can be hooked to the bottom of the barrel. (See Figs. 1, 2.) To the top of the side bars is secured a cross-bar, D, the latter having the slot *d*. (See Fig. 4.) In the slot of the cross-bar the pawl and cam-wheel operate.

E represents the cam-wheel, cast with a projection, *e*, in the socket of which the hand-lever E' can be secured, as shown.

E the cam-wheel, is pivoted eccentrically

by means of a pivot-bolt, *f*, passing through the cross-bar and through any of the holes marked at *f'* of the wheel. (See Figs. 1, 2.) By means of this series of holes near the periphery of the cam-wheel the latter can be pivoted high or low and its pressure action adapted to a greater or less depth. Further, the cam-wheel has teeth at *f*² in which a pivoted pawl, G, can engage to retain the cam-wheel in firm position when depressed by the hand-lever.

H represents the platen or follower. Top of this are secured two rollers, *h h'*. (See figures.) Each of these rollers turns in journals, and are a sufficient distance apart to form a bearing for the bottom circumferential face of the cam-wheel to engage in manner shown in Figs. 1 and 2.

The parts being thus constructed, the operation is as follows: The barrel is filled in manner usual. The barrel-head is placed top of the contents. Top of the barrel-head is placed the platen, so that its rollers come under the cam-wheel and afford it a firm and decisive bearing. (See Fig. 1.) By depressing the hand-lever the cam-wheel turns on its pivot, and by its bottom circumferential face, forces the platen, barrel-head, and fruit or contents down into the barrel. When the barrel-head has thus been forced to its seat in the croze of the barrel, the pawl, having followed up this movement, grips into a tooth of the cam-wheel, holding the press parts firm and immovable, enabling the operator to adjust the upper hoop or hoops and secure same to the barrel. When the barrel has been thus properly closed, the pawl is released and the cam-wheel can be raised sufficient to release the platen.

What I claim is—

1. The combination of the side bars, C C', cross-bar D, the cam-wheel E, having the series of holes *f'*, the pivot-bolt, and hand-lever, substantially as and for the purposes set forth.

2. The combination of the side bars, C C', carrying the cross-bar D, the cam-wheel E, pivoted eccentrically to any of the holes *f'*, also having the teeth at *f*², the pawl G, and hand-lever, substantially as and for the purpose set forth.

3. In combination with the platen or follower H, the bearing-rollers $h h'$, substantially as set forth.

4. The improved barrel-press consisting of the barrel A, its head B, the side bars, C C', the cross-bar D, the cam-wheel E, pivoted eccentrically and having teeth f^2 , the pawl G, the hand-lever, and the platen and its rollers

$h h'$, all combined and operating substantially as and for the purposes set forth.

In testimony of said invention I have hereunto set my hand.

WILLIAM R. HALLETT.

Witnesses:

AUSTIN B. LOWE,

RICHARD M. JOHNSON.