

A. LASSWELL.
Improvement in Presses.

No. 131,619.

Patented Sep. 24, 1872.

Fig. 1.

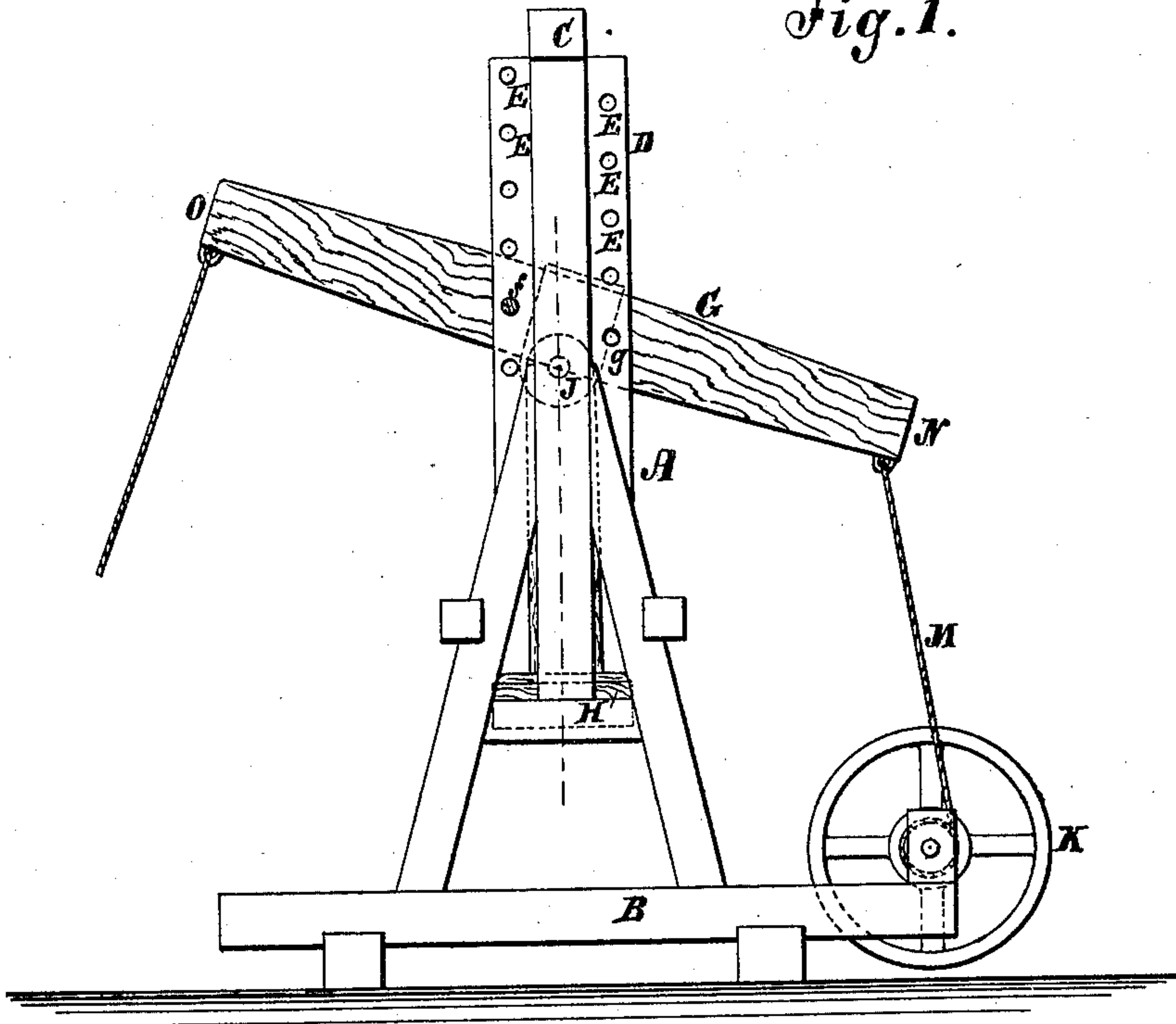
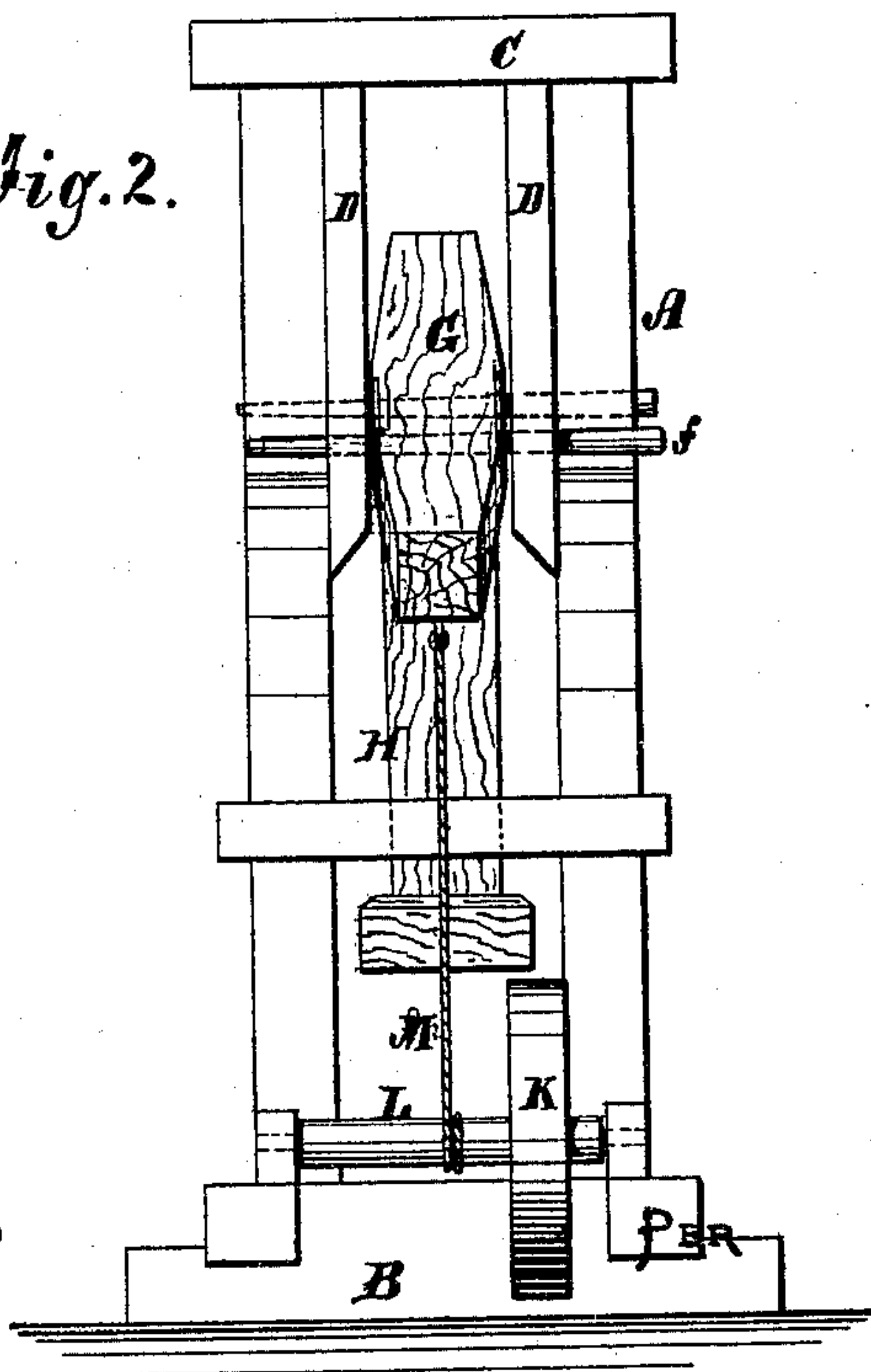
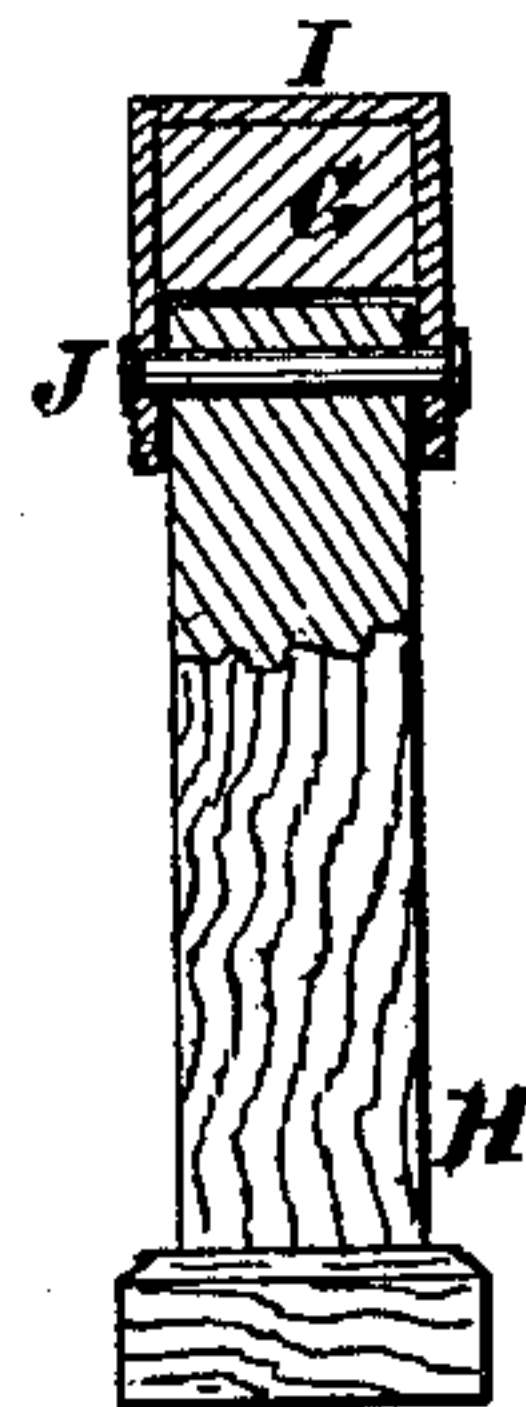


Fig. 2.



Witnesses:
A. Benneken
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Fig. 3.



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UNITED STATES PATENT OFFICE.

ALLEN LASSWELL, OF SPRINGFIELD, TEXAS.

IMPROVEMENT IN PRESSES.

Specification forming part of Letters Patent No. 131,619, dated September 24, 1872.

To all whom it may concern:

Be it known that I, ALLEN LASSWELL, of Springfield, in the county of Limestone and State of Texas, have invented a new and useful Improvement in Presses, of which the following is a specification:

The object of this invention is to furnish a cheap, durable, and effective press for pressing cotton, hay, and other articles; and it consists in a double lever arranged in combination with fulcrum-plates and a frame and follower, and with or without a wheel and axle, as hereinafter described.

In the accompanying drawing, Figure 1 represents a side elevation of the press; Fig. 2 is an end view; and Fig. 3 is a detail, showing the mode of attaching the follower to the lever, being a vertical section on the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents an upright frame, supported on the platform B. The frame consists of two upright parts connected by the cap piece C. D D are fulcrum-plates firmly attached to the inside of the uprights, with double rows of holes E for the fulcrum-pins *f*. G is the double lever, which has two holes, one each side of the center, for the fulcrum-pins. H is the follower, which is connected with the center of the lever by the iron strap I and a pin, J. The follower is in the T-form, with the cross of the T down. K is a wheel, and L is the axle. *m* is a rope or chain by which the lever is connected with the axle. The wheel and axle may be of any size, and connected with each end of the lever, the same as shown in the draw-

ing. The leverage obtained is the distance from the center-pin J to the fulcrum-pin *f*.

To press a bale of cotton or other commodity, the lever is started at one of the upper fulcrum-holes, and travels down, and, as the bale is compressed, the fulcrum-pin *f* is changed from one side of the center to the other, alternately, until the proper degree of compression has been obtained. As seen in the drawing, the end N of the lever has been brought down and the follower has been settled a certain distance. The fulcrum is now changed to *g*, and the power is applied to the other end of the lever. The wheel and axle at the lower end of the lever, being loose, will revolve as the end N is raised, while the end O of the lever is brought down, and the operation is repeated until the bale is pressed. By using a long lever the operation may be performed without the wheels and axles, but the press may be made more compact and be more powerful by their use.

I do not confine myself to the precise form or arrangement of any of the parts described, as variations may be made without departing from my invention.

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

In a press, the frame A, platform B, perforated plates D, double lever G, and hinged follower H, in combination with a wheel and axle, as and for the purpose set forth.

ALLEN LASSWELL.

Witnesses:

J. W. STEPHENS,
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