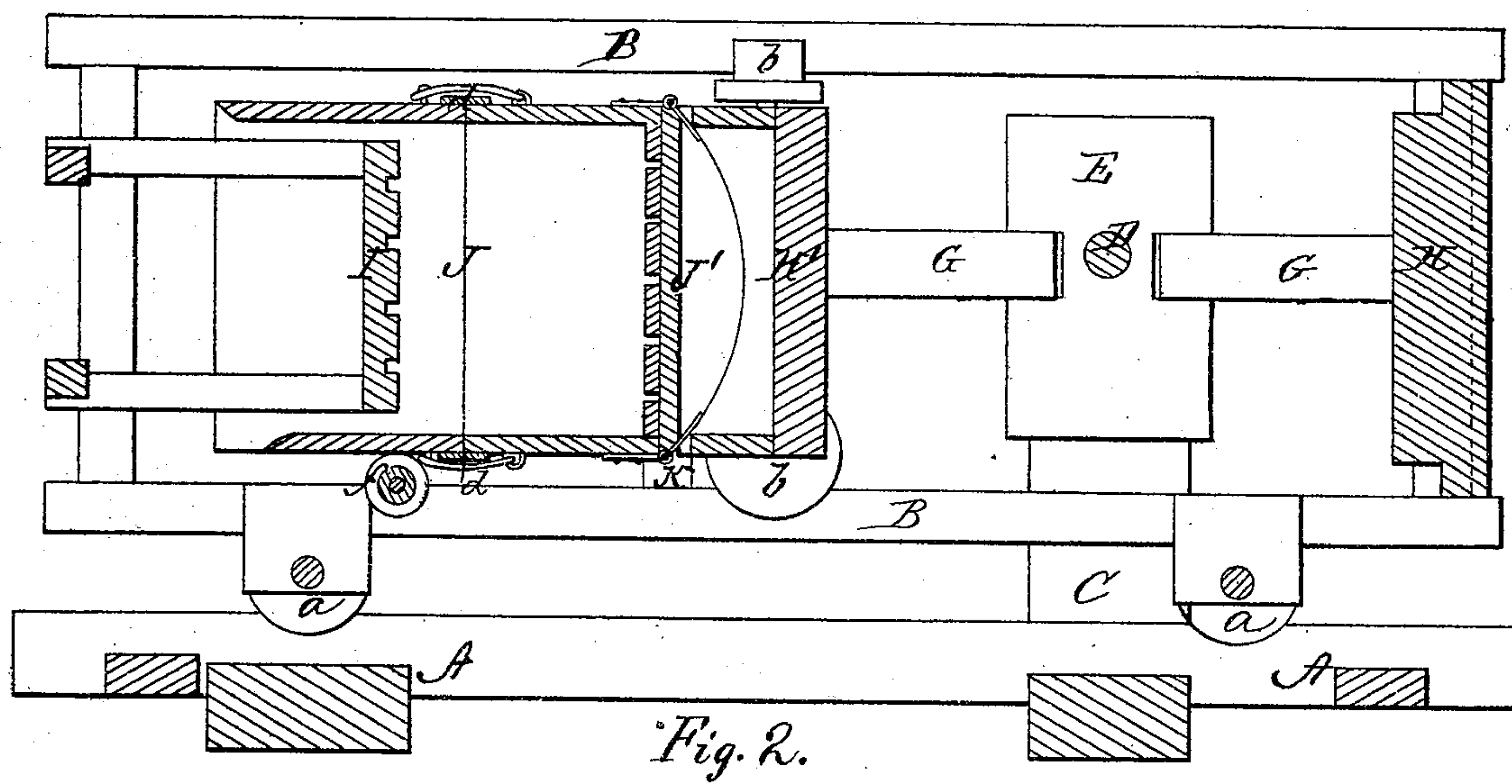
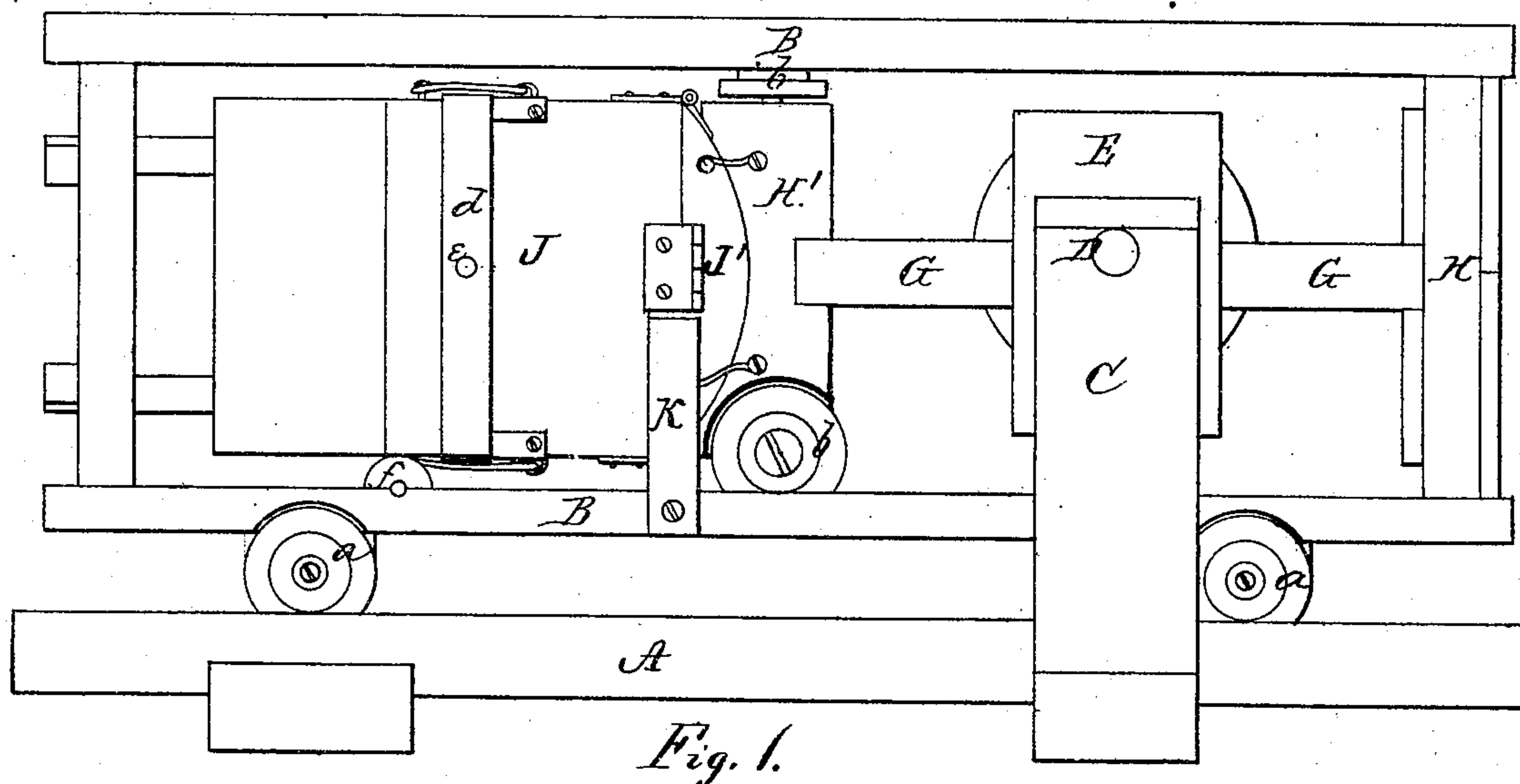


T. D. LEONEARD.  
Cotton-Presses.

No. 144,775.

Patented Nov. 18, 1873.



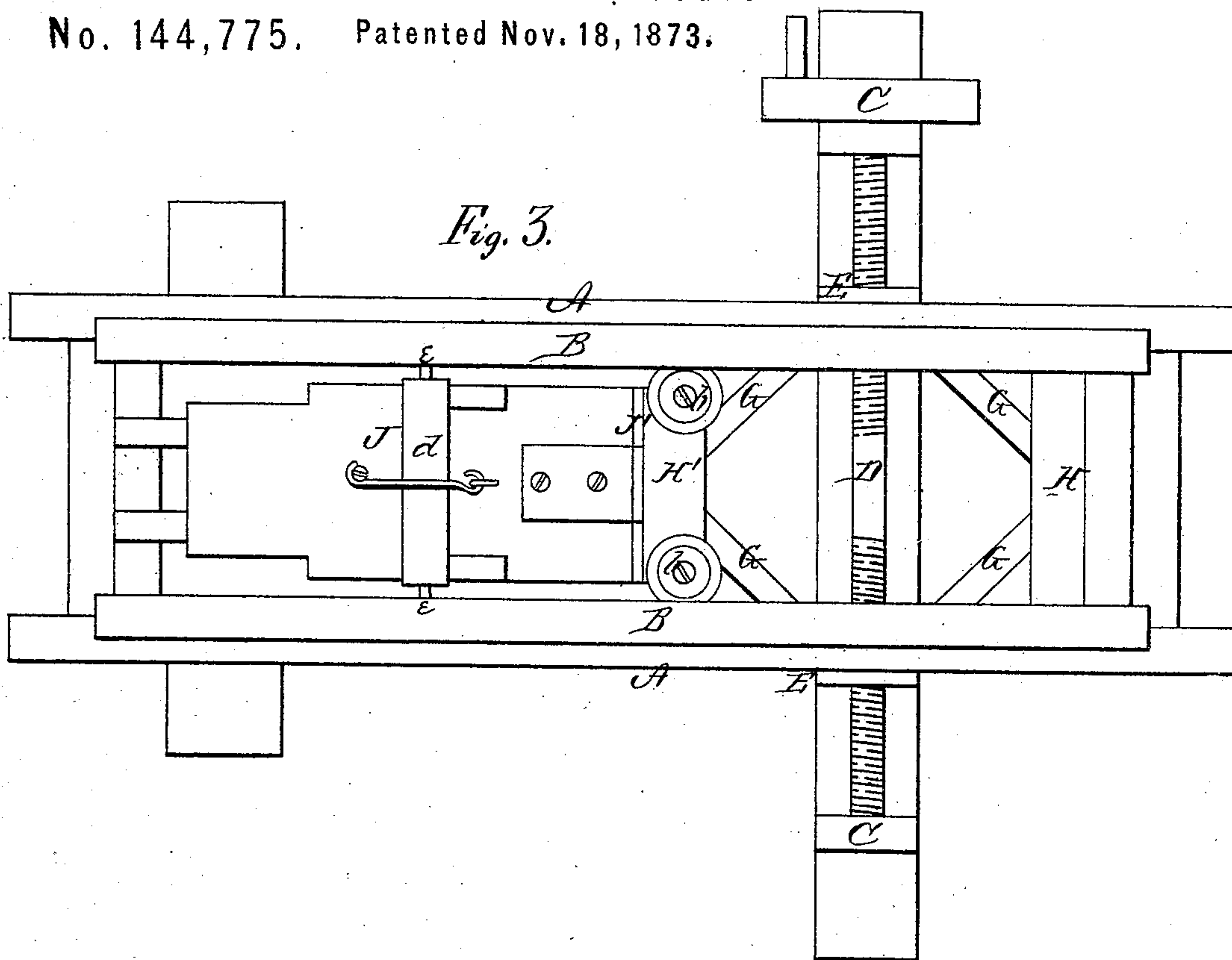
Witnesses.  
Chas. P. Steele  
George E. Upham.

Inventor.  
Thomas D. Leonard  
Chapman & Co  
attys

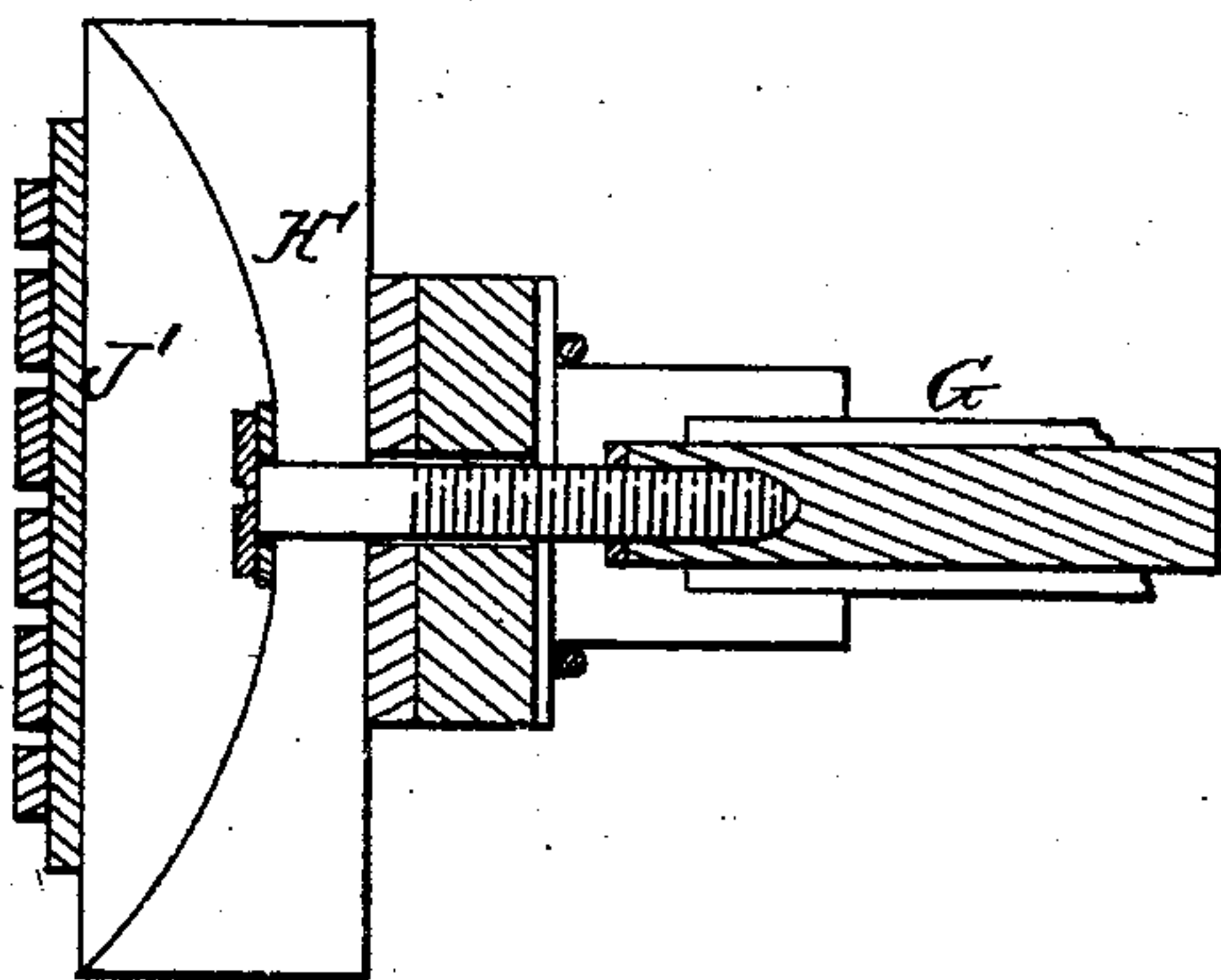
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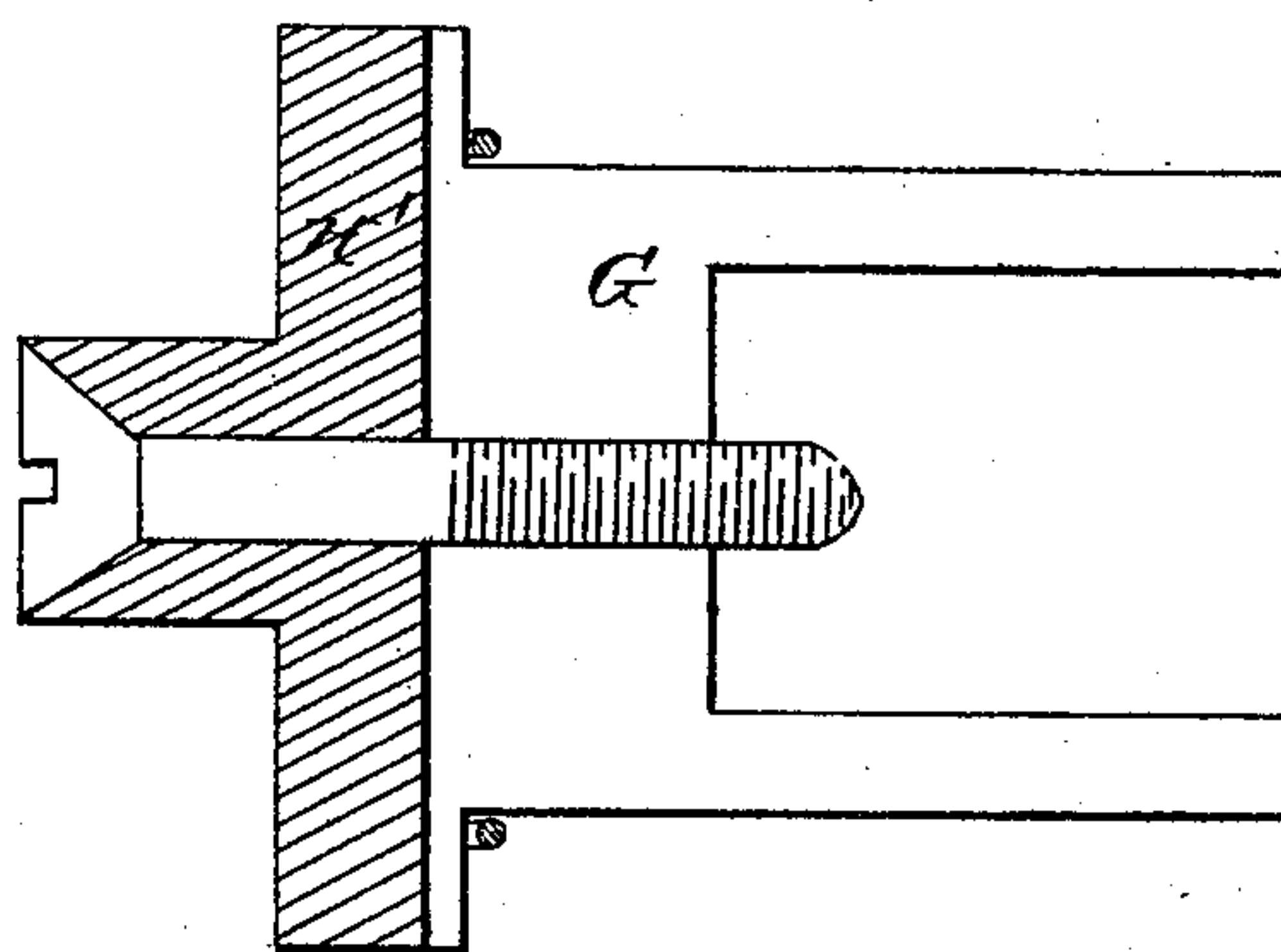
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*Fig. 4.*



*Fig. 5.*



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*Atty*



# UNITED STATES PATENT OFFICE.

THOMAS D. LEONEARD, OF WACO, TEXAS, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO JOHN D. JOHNSON AND BENJ. C. DRURY, OF SAME PLACE.

## IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. 144,775, dated November 18, 1873; application filed June 7, 1873.

*To all whom it may concern:*

Be it known that I, THOMAS D. LEONEARD, of Waco, in the county of McLennan and State of Texas, have invented a new and valuable Improvement in Cotton-Presses; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my press in side elevation. Fig. 2 is a longitudinal vertical section, and Fig. 3 is a plan view, of the same. Figs. 4 and 5 show modifications in the construction of the bottom of the bale-box.

This invention has relation to cotton and hay presses; and consists in the novel construction and arrangements of the parts, as will be hereinafter described and claimed.

A represents the bed-frame, having two beams or rails, upon which a frame, B, moves upon wheels or rollers *a a*. Near one end of the bed-frame A, on each side, is a standard, C, and in the two standards C C a right-and-left-hand screw, D, has its bearings. This screw passes through and moves two blocks, E E, so as to come closer together or farther apart, according to the direction in which the screw is revolved. From each block E extend two levers, G G, one on each side. These levers are pivoted to the blocks, and the levers which extend in one direction are pivoted, at their outer ends, to a block, H, made stationary in the end of the frame B, while the levers extending in the opposite direction are pivoted to a block, H', which moves upon wheels or rollers *b b* in the frame B. In the end of the frame B, opposite to the block H, is framed the follower I, and made stationary in said frame. J represents the bale-box, which is made in two parts, secured together by hooks or other suitable means, and the joint covered by a metal band, *d*.

During the operation of pressing, the box J is in a horizontal position, while during the process of filling and packing, it is turned in a vertical position upon trunnions *e e*, formed

on or attached to the metal band *d*, and resting upon posts K K on the frame B.

The bottom J' of the box J is made part of a circle on the outer side, and made attachable to and detachable from the block H'.

The means for attaching the bottom J' to the block H' may either be hooks, as shown in Fig. 1, or a rectangular-headed bolt through the block, passing through a slotted plate in the bottom, as shown in Fig. 4, or by a tenon and screw, as shown in Fig. 5, or any other suitable means.

The bale-box J having, in a vertical position, been filled and packed, it is turned to a horizontal position, and its bottom J' fastened to the block H', the other end of the box resting upon rollers *f f* in the frame B. The screw D is now revolved in the proper direction to force the blocks E E together, when it will be seen that the box J is forced in one direction toward the follower I, and, at the same time, the frame B, with the follower, is moved in the opposite direction, the follower and bale-box meeting each other at equal speed and distance in packing a bale.

A press of this construction is equally applicable to press hay, wool, hides, tobacco, straw, and other articles.

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

1. The combination of the sectional box J, the detachable bottom J', and block H' with the pivoted levers G attached thereto, and arranged to operate in the manner shown and set forth.

2. The cotton-press having the main frame A, movable press-frame B with follower I, movable bale-box J, screw D, blocks E, levers G, and block H H', all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS DUNLAP LEONEARD.

Witnesses:

JNO. L. DYER,  
J. H. SEARS.