

(No Model.)

J. P. McDONALD.

BALING PRESS.

No. 294,897.

Fig: 1.

Patented Mar. 11, 1884.

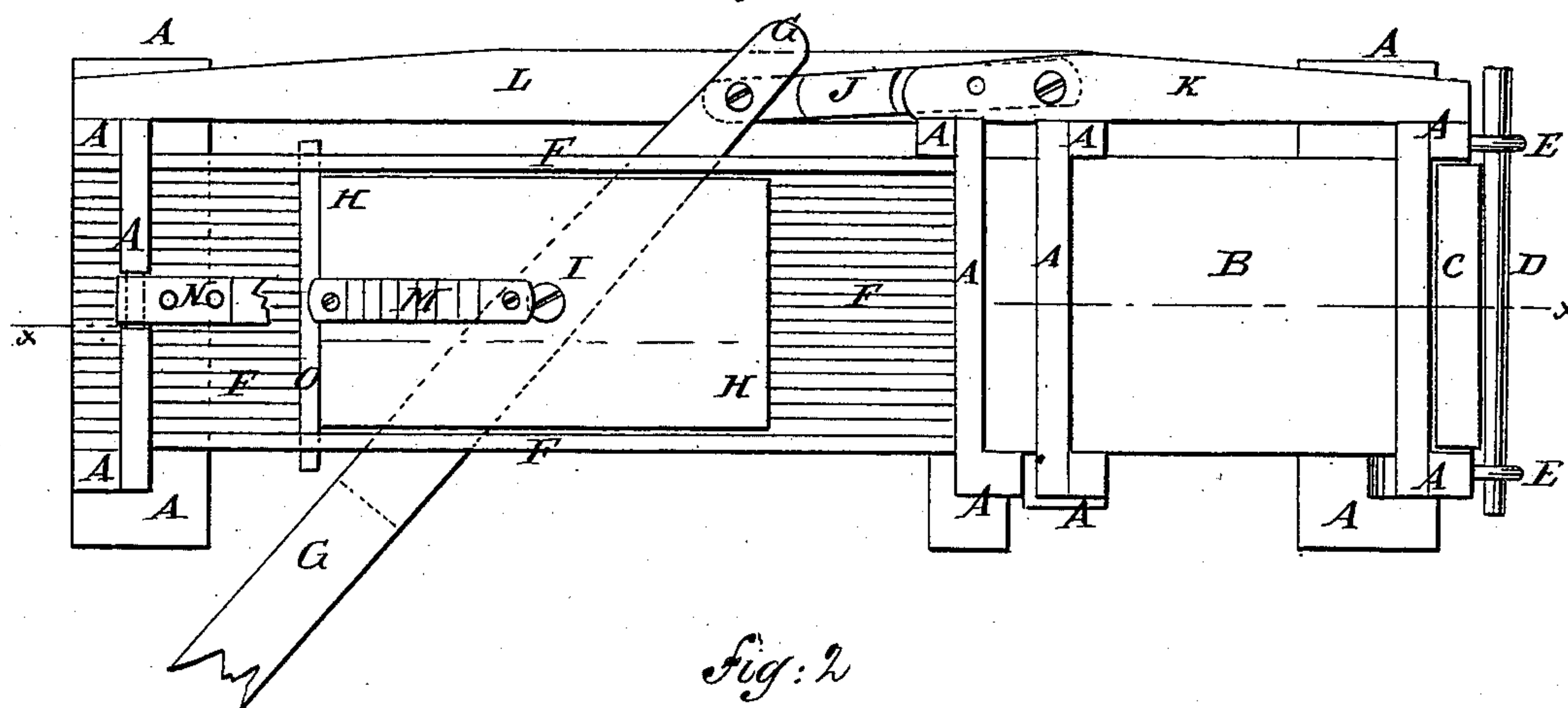


Fig: 2.

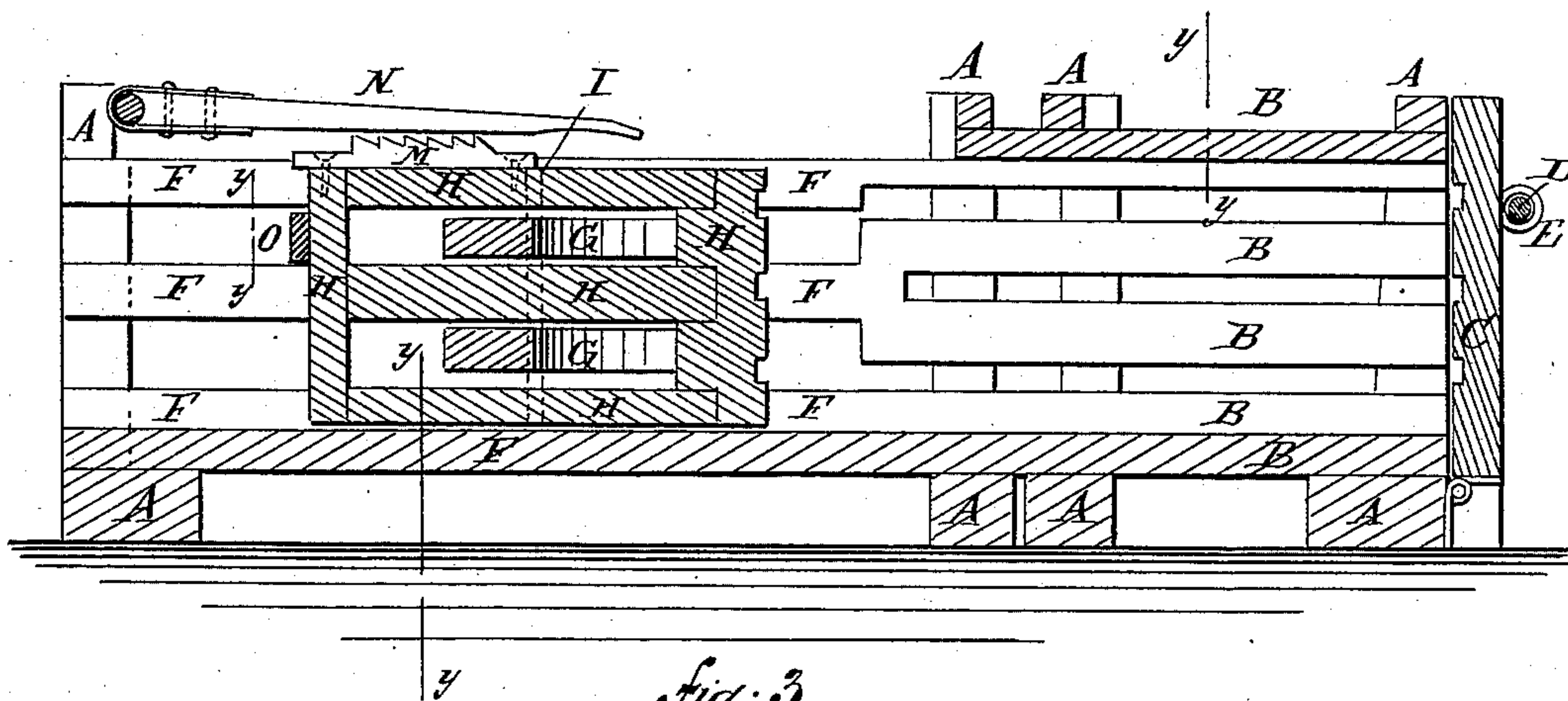
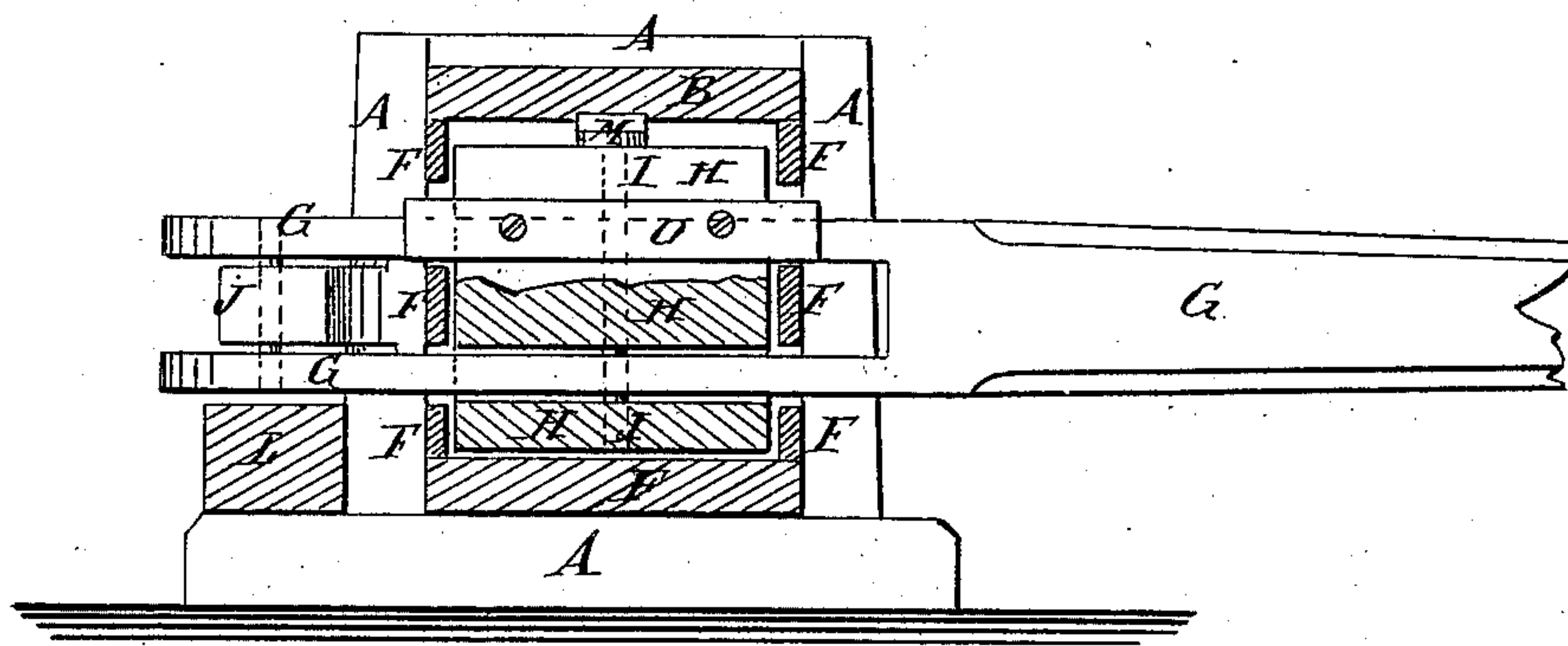


Fig: 3.



WITNESSES:

C. Mas. Viola.
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INVENTOR:

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UNITED STATES PATENT OFFICE.

JOHN PERRY McDONALD, OF LITCHFIELD, ILLINOIS, ASSIGNOR TO HIMSELF
AND WILLIAM H. GALLOWAY, OF SAME PLACE.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 294,897, dated March 11, 1884.

Application filed September 6, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN PERRY McDONALD, of Litchfield, in the county of Montgomery and State of Illinois, have invented certain new and useful Improvements in Baling-Presses, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved press, part being broken away. Fig. 2 is a sectional side elevation of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a sectional end elevation of the same, taken through the broken line *y y y y y y*, Fig. 2.

The object of this invention is to facilitate the baling of hay, cotton, and other substances, and promote convenience and economy in operating baling-presses.

A represents the frame of the press.

B is the bale-box, which is made with close top and bottom, and with its sides slotted to receive the bale-bands. The discharge end of the bale-box B is closed by a door, C, which is hinged at its lower edge to the frame A, and is secured at its upper part by a bar, D, passed through the eyes of eyebolts E or other suitable keepers attached to the frame A.

F is the follower-box, which is open at its upper side, and has its sides slotted for the passage of the lever G, which also passes through the follower H, and is pivoted to the said follower by a bolt, I, the said bolt passing through the center of the said follower and through the said lever, so that the power will be applied squarely to the said follower.

The rear end of the lever G is pivoted to the end of a short bar, J, the other end of which is pivoted to and between two bars, K L, or other supports attached to the press-frame A. With this construction the double-joint connection of the lever G allows the said lever to have sufficient longitudinal movement to prevent the follower H from binding as it is moved forward and back through the follower-box F. Power can be applied to the lever G by attaching a draft-animal to the free end of the said lever, or in any other convenient manner.

To the rear end of the follower H is attached a cross-bar, O, the ends of which project through slots in the sides of the follower-box F, to prevent the rear end of the follower from rising while the said follower is being used.

To the upper side of the follower H is attached a ratchet-bar, M, with the teeth of which engages a pawl, N, the rear end of which is hinged to a top bar of the frame A. With this construction the pawl N and ratchet-bar M will hold the follower H securely in place while the bands are being applied to the bale.

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

The follower-box F, slotted at the sides, the slotted follower H, the pivot-bolt I, passing through the center of follower, and the pivoted bar J, arranged between supports K L, in combination with a lever, G, pivoted at its rear end to bar J and on the follower-bolt I, as and for the purpose specified.

JOHN PERRY McDONALD.

Witnesses:

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