

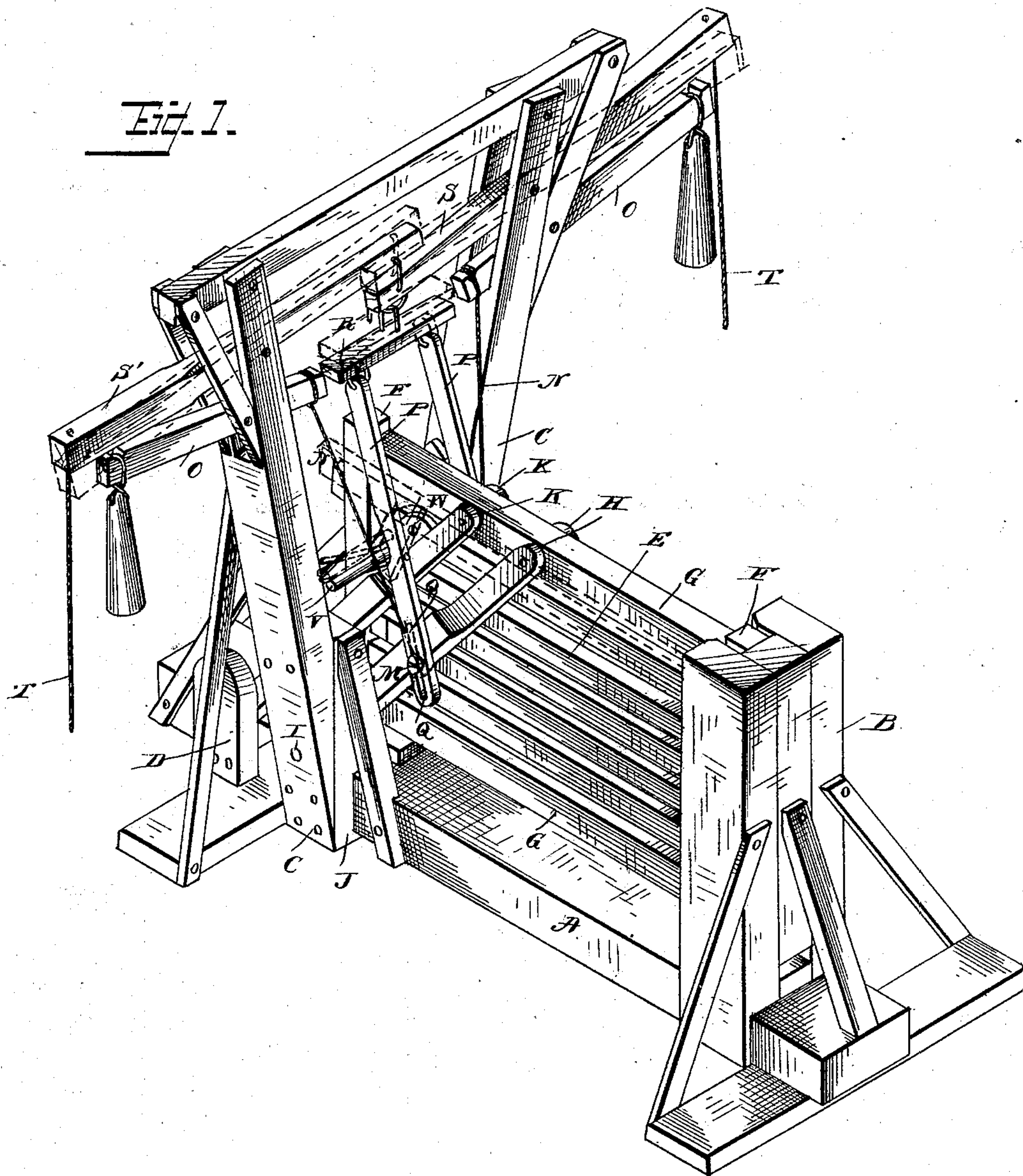
(No Model.)

2 Sheets—Sheet 1.

J. THOMPSON.  
GATE.

No. 282,238.

Patented July 31, 1883.



WITNESSES  
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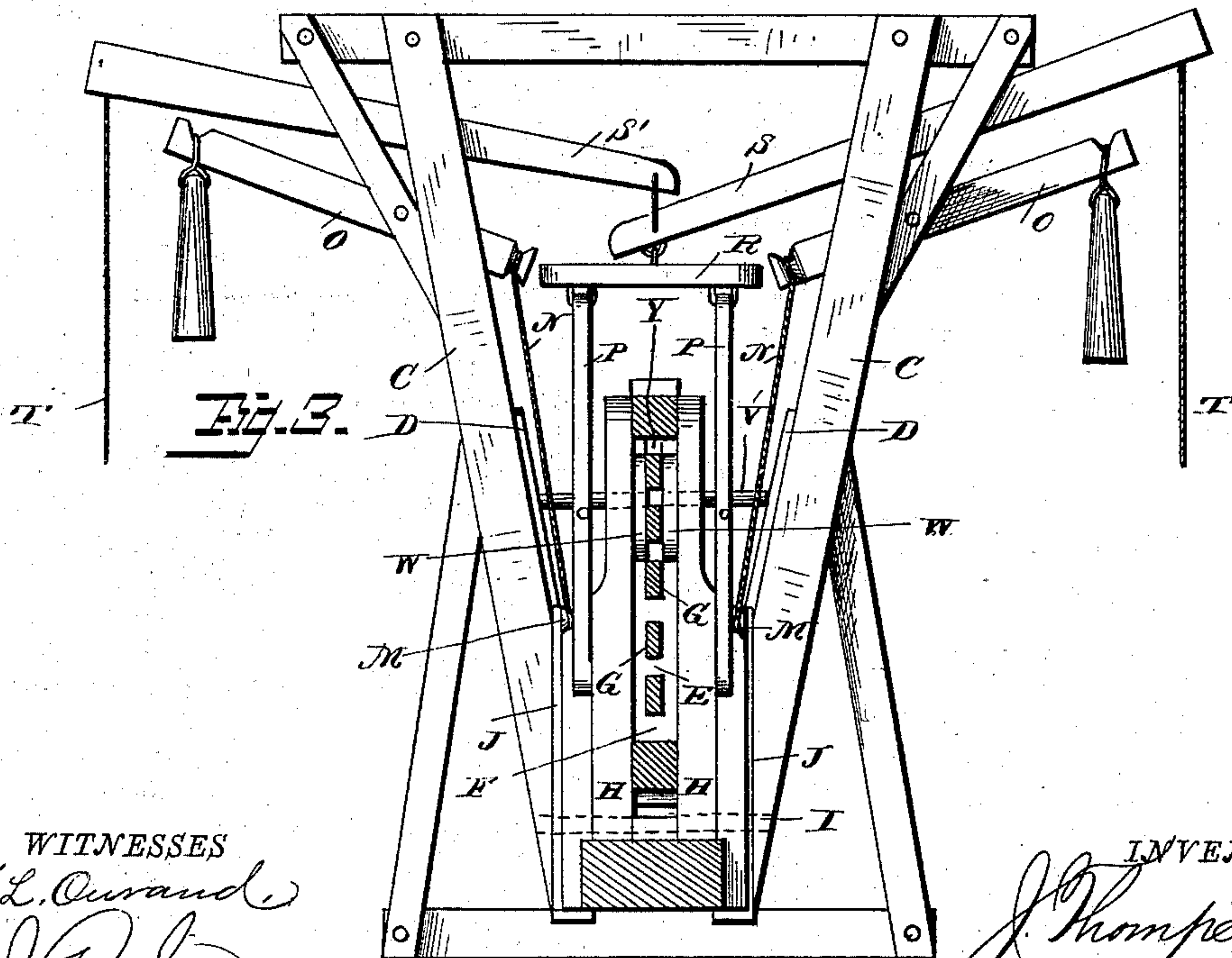
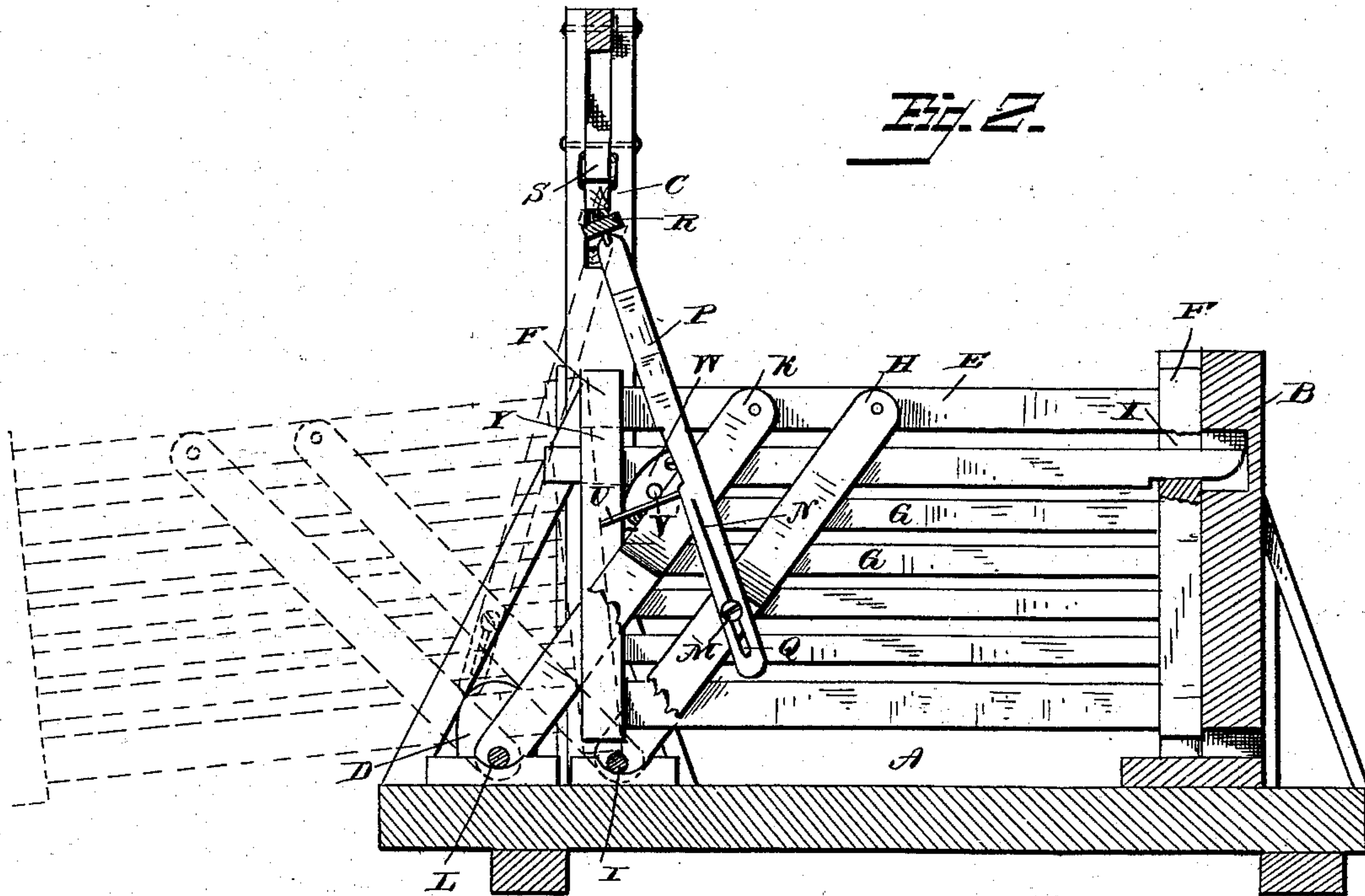
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# UNITED STATES PATENT OFFICE.

JESSE THOMPSON, OF RUSHVILLE, INDIANA.

## GATE.

SPECIFICATION forming part of Letters Patent No. 282,238, dated July 31, 1883.

Application filed November 20, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE THOMPSON, a citizen of the United States, residing at Rushville, in the county of Rush and State of Indiana, have invented a new and useful Gate, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to gates of that class known as "jumping-gates," and has for its object to provide an efficient and easily operated gate that will automatically operate its own latch mechanism.

In the drawings, Figure 1 is a perspective view of my improved gate. Fig. 2 is a vertical longitudinal sectional view thereof. Fig. 3 is a vertical transverse sectional view.

Referring to the drawings, A designates the frame, which comprises a latch-post, B, two outwardly-inclined uprights, C C, at the rear end, back of which are arranged two auxiliary posts, D D.

E is the gate, which may be of any suitable construction, having end pieces, F F, and longitudinal rails G. The gate is pivoted between the uprights by a pair of levers, H H, extending from the top of the gate to a cross-bar, I, at the bottom of the uprights, blocks J J being preferably interposed between the ends of the levers and the uprights to increase the working space of the gate between the latter. The levers H H are arranged one on each side the gate, and in rear of these levers is arranged a corresponding pair of swing-arms, K K, having their lower ends working on a transverse pivot-bar, L, between posts D D. Each lever H has an about centrally-located lateral pin, M, from which extends a line, N, to the end of a weighted lever, O, pivoted at the top of the upright C. These weighted levers O O aid in lifting the jumping gate.

P P are a pair of bars, having slots Q at their lower ends, which work on the pins M. The top ends of these bars P P are pivoted to the ends of a cross-piece, R, to which latter, at about its center, is pivoted the end of an operating-lever, S, pivoted to the upright, and having a hand-rope, T, at its end. S' is a like overlapping lever, which is pivoted to and over the inner end of lever S, and is likewise provided with a hand-rope, T. It will, therefore, be seen that by operating either of the

levers S S' the gate is drawn up over the center of gravity and falls on the other side. The bars P P are each provided with a rearwardly-extending pin or arm, U, which engages a cross-pin, V, passing through two levers, W W. These levers are pivoted at one end to one of the rails, G, and at the other to the longitudinal latch-bar, which works in openings X Y, respectively, in the front and rear end pieces, F F.

The latch-post B is formed with a recess, Z, to receive the end of the latch-bar.

When the gate is closed, the latch engages the recess Z, and the bars P P rest on the pins M M, which pins will then be in the top of the slots Q Q. By operating either of levers S S' the bars P P are drawn up, without lifting the gate, the length of their slots Q Q, which movement throws the levers W W back, by means of pins U U and cross-pin V, so as to draw the latch-bar out of recess Z. Then the gate is thrown over by further movement of levers S or S'.

The device is quite simple, and is ready and convenient in operation.

I claim as my invention—

1. The combination of the outwardly-inclined uprights C C, the rear auxiliary posts, D D, the gate having pivoted arms K K and levers H H, the latter provided with lateral pins M, the lines N N, extending from pins M M to the weighted levers O O, the bars P P, pivoted cross-piece R, operating-lever S pivoted to the latter, and operating-lever S', pivoted over the end of and to lever S, as set forth.

2. The combination of the uprights C C, the gate, having the longitudinal sliding latch-bar, the pivoted levers W W, carrying the cross-pin V, the levers H H, having lateral pins M M, the bars P P, having slotted ends Q Q, and rear pins or arms, U U, said bars being connected to the operating-lever and the latch-post, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JESSE THOMPSON.

Witnesses:

JOHN Q. THOMAS,  
PERRY MCCRARY.