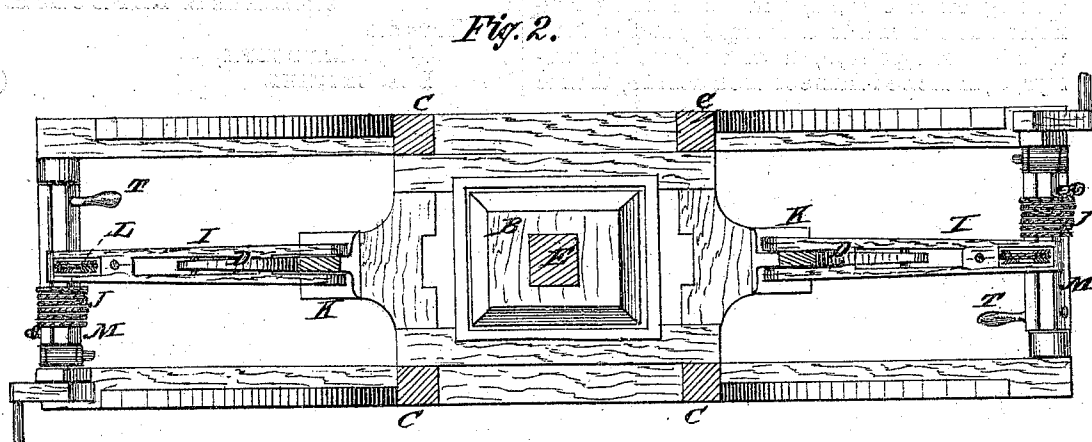
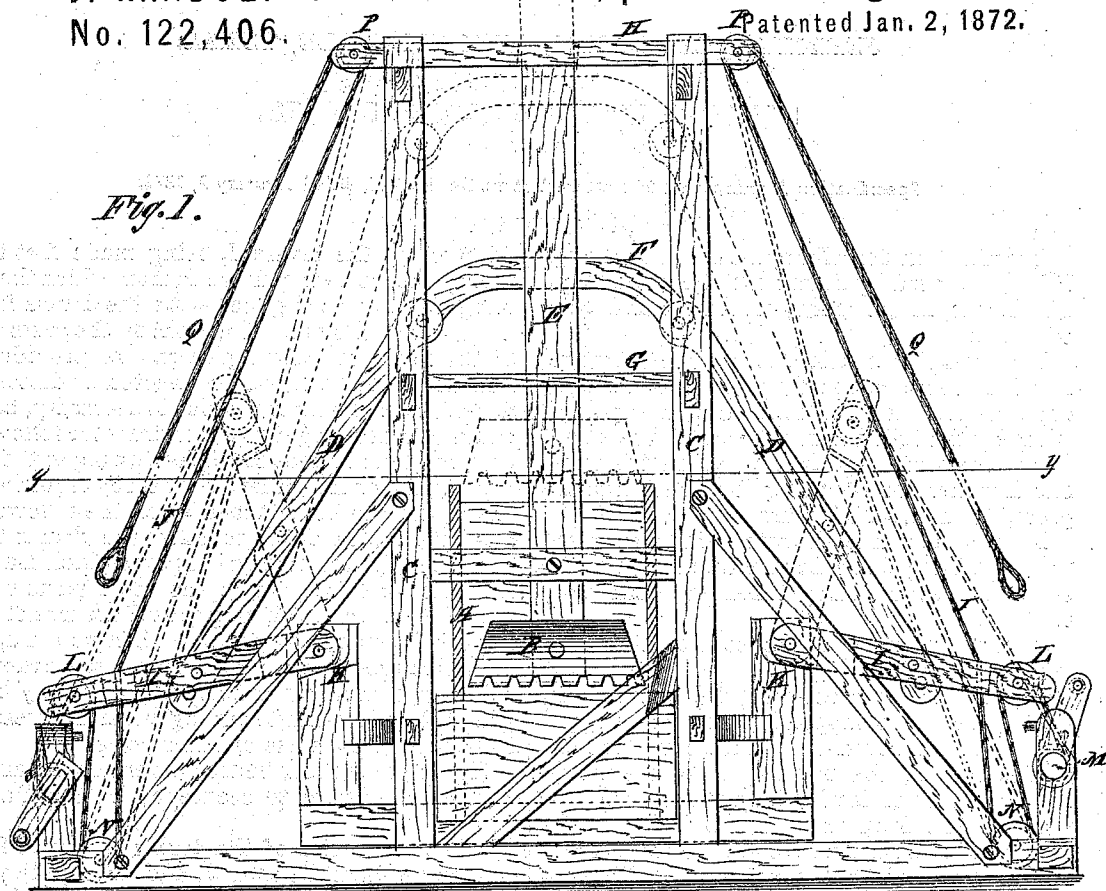


Patented Jan. 2, 1872.



Inventor:

J. Randolph
 PER. Munnell
 Attorneys.

UNITED STATES PATENT OFFICE.

JEREMIAH RANDOLPH, OF HUNTSVILLE, TEXAS.

IMPROVEMENT IN BALING-PRESSES.

Specification forming part of Letters Patent No. 122,406, dated January 2, 1872.

Specification describing a certain Improved Press, invented by JEREMIAH RANDOLPH, of Huntsville, in the county of Walker and State of Texas.

My invention consists in a novel arrangement of levers, connecting-bars, and cords, in combination with the follower and windlass, whereby the follower is worked in the downward direction for pressing, and in the opposite direction for elevating it to recharge the press, by the said windlass.

Figure 1 is a side elevation of the improved press, and Fig. 2 is a horizontal section of the same, the section being taken on the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is a vertical press-case; B, the follower; and C, the frame supporting the whole apparatus. The follower-stem passes up through guides G H on the upper part of the frame. D represents connecting-bars or links connecting the arms F on the stem E between the guides G H, with the levers I, which are pivoted at one end to the posts K, and have a pulley, L, in the other end, over which the operating cords J work, said cords being connected at one end to a drum, M, and passing up over said pulleys, down under other pulleys, N, in the bed-frame of the machine; thence

up through the levers I, being made fast to them; thence over pulleys P, from which they hang down to be engaged with the drums for raising the follower. The ends of the parts Q of the ropes so hanging down are provided with loops, to be readily connected or disconnected from the drums, which is necessary, because it takes longer ropes to draw the follower down than it does to raise it, owing to their passing under the pulleys N, thereby requiring the parts Q to be detached when the follower has been forced down to allow the drums to be turned for unwinding the parts which draw the follower down before the other parts begin to wind up. The long pins T are for holding the drums in any position when wound up.

In this case I have represented the drums as being turned by cranks; but they may be geared to a line-shaft running under the press, to be turned by horse or other power.

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

The combination of the drums M, levers L, connecting-bars D, cord J, and idler-pulleys N P, all arranged substantially as specified.

JEREMIAH RANDOLPH.

Witnesses:

W. H. RANDOLPH,
I. R. SMITHER.

(7)