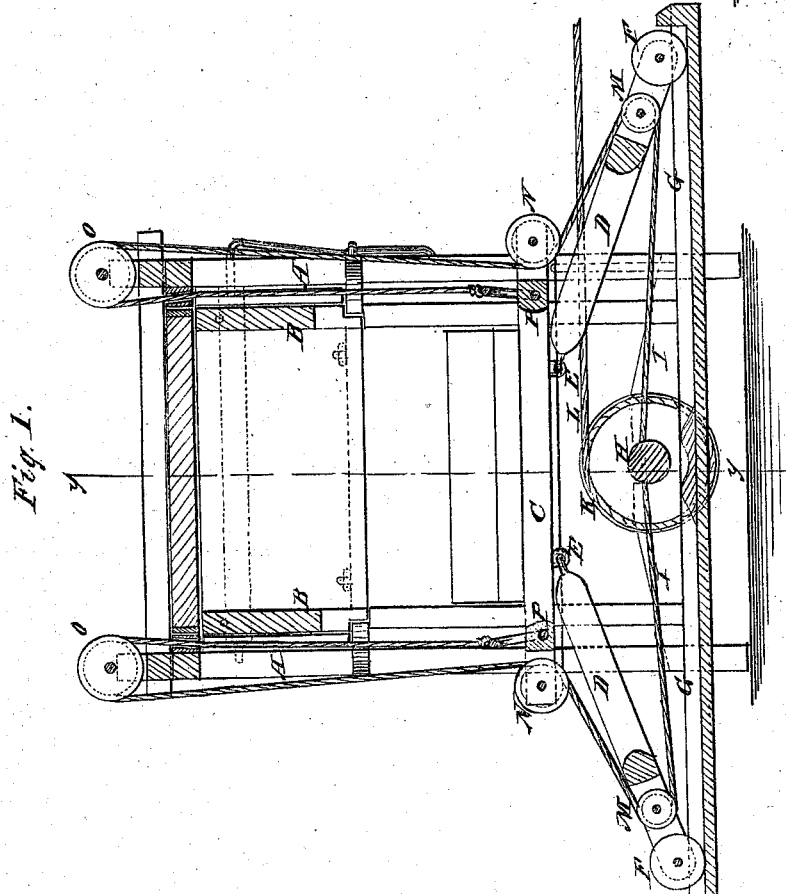
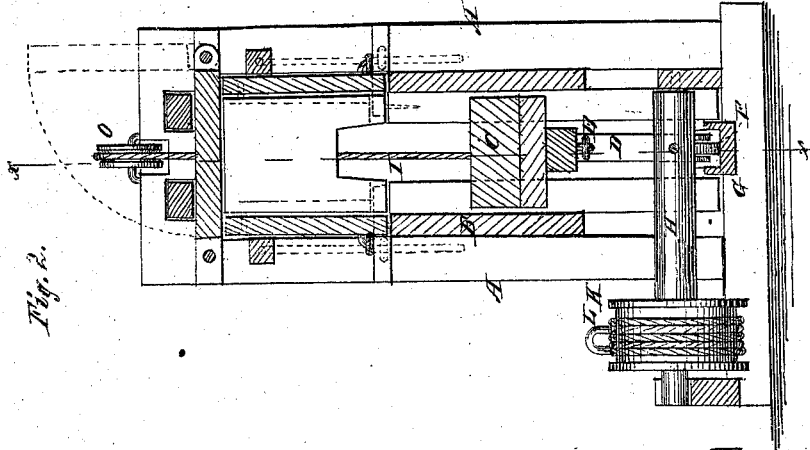


J. P. PRIDGEON.
Cotton-Presses.

No 140,841.

Patented July 15, 1873.



Witnesses:
P. C. Dietrich
S. J. Guineto

Inventor:
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UNITED STATES PATENT OFFICE.

JAMES P. PRIDGEON, OF MARION COURT-HOUSE, SOUTH CAROLINA,
ASSIGNOR TO J. P. PRIDGEON & CO., OF SAME PLACE.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. 140,841, dated July 15, 1873; application filed
May 10, 1873.

To all whom it may concern:

Be it known that I, JAMES P. PRIDGEON, of Marion Court-House, in the county of Marion and State of South Carolina, have invented a new and Improved Cotton-Press, of which the following is a specification:

In my improved press the follower which works upward in a vertical case has two arms jointed at one end to the lower side, one near each end, which, at the other end, have rollers to roll forward and backward on the bed-frame, and a rope is attached to the follower at one end, and passes up over a pulley at the top of the frame; thence down under a pulley at the end of the follower; thence under another near the end of the arm of that end of the follower; thence under the arm to a drum under the center of the follower; and thence over the other arm; also the other end of the follower; and, also, the other side of the press on suitable guide-pulleys and back to the follower, where it is attached, all so that the drum being turned one way will force the follower up into the press-case by forcing the arms toward each other, so as to cause them to rise up erect, or nearly so, and said drum being turned the other way will allow said arms to roll back at the lower ends, return to the horizontal line, or nearly, and let the follower down again.

Figure 1 is a sectional elevation of the press taken on the line *xx* of Fig. 2, and Fig. 2 is a sectional elevation taken on the line *yy*, Fig. 1.

A represents the frame of the press; B, the box; and C, the follower. The follower is mounted on the upper ends of two arms or string-bars, D, which are jointed to the under side of it, as at E, and they have a roller, F,

in the other ends resting in a track or way in the bed-piece G. H is a shaft or drum arranged horizontally across the way G above it at the middle to wind up the rope L for forcing the press-follower up. Said drum is provided with a wheel, K, and rope L for turning it by horse-power to wind up the rope L. This rope L is attached to the drum and extends therefrom each way over the pulleys M on the arms D near the lower ends; also, over guide-pulleys N, and to the follower where the rope-ends are attached, as at P, also, that by forcing the arms D toward each other by the rope and the drum, the ends connected to the follower are forced upward, and thereby caused to force the follower up. The weight of the follower will cause it to force the arms back when the rope is unwound from the drum or let free, so it can be as soon as the arms are started a little beyond the vertical positions, which may be done by hand or in any approved way.

The arrangement is applicable for hoisting-elevators and other objects as well as the followers of presses.

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

The combination, with the press-box and follower C provided with pulleys N, of the cords or ropes I, windlass H K, arms D, pulleys M O, rollers F F, and the track or way S, all constructed and arranged as shown and described.

JAMES P. PRIDGEON.

Witnesses:

C. SMITH,
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