J. TEMPLETON.

COTTON-PRESS.

No. 189,148. Patented April 3, 1877.

Fig. 1.

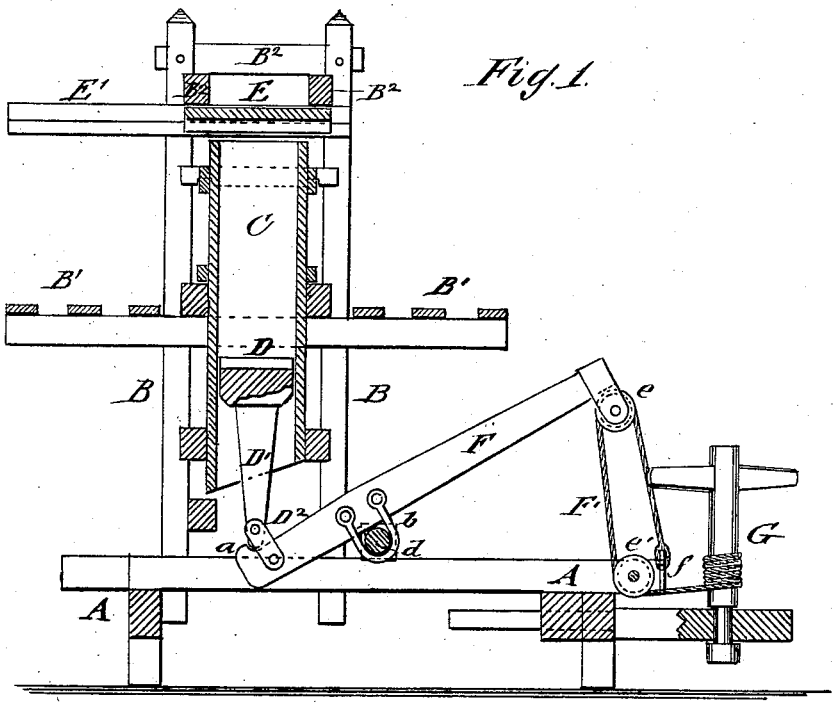
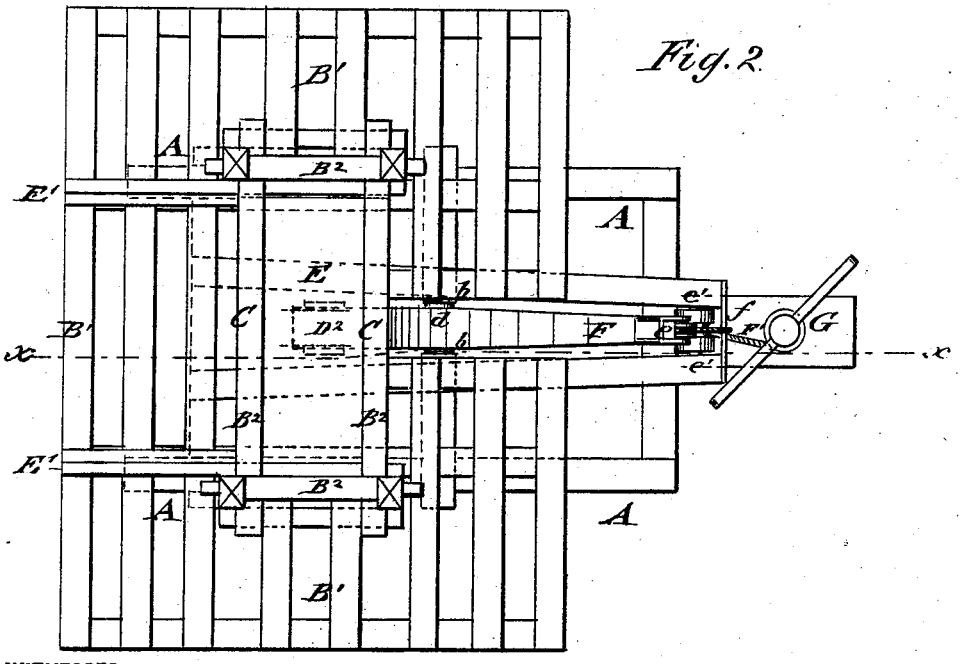


Fig. 2.



WITNESSES:

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JAMES TEMPLETON, OF FLORENCE, GEORGIA.

IMPROVEMENT IN COTTON-PRESSES.

Specification forming part of Letters Patent No. **189,148**, dated April 3, 1877; application filed February 10, 1877.

To all whom it may concern:

Be it known that I, JAMES TEMPLETON, of Florence, in the county of Stewart and State of Georgia, have invented a new and Improved Cotton-Press, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section of my improved cotton-press, taken on line *x x*, Fig. 2; and Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish a hand-power cotton-press of cheap, simple, and effective construction, by which the packing and baling of cotton or other material are facilitated and accomplished with less danger from the fulcrumed lever.

The invention consists of a lint-box, filled from the top, and operated by an upwardly-moving follower and sliding-top panel.

In the drawing, A represents the base-frame of my cotton-press, which is supported on cross-sills, and provided with uprights B, that are braced in suitable manner to the base-sills A, and strengthened by lateral pieces, so as to form a strong and rigid support for the lint-box C.

The lint-box extends either through the floor B^1 of the building from the lint-room down to the ground, or the same is provided, when the press is put up outside of the shed or building, with a platform, B^1, around the lint-box, at suitable height above the base frame or sill A.

The top panel E of the lint-box C is movable by sliding on horizontal guides E′, to admit the ready filling of the box with lint, and quick closing of the same. Strong cross-timbers B^2 brace the upper part of the uprights B, and secure the top panel E in closed position for pressing.

The follower D moves vertically in the lint-box from the bottom upward, and receives its motion from a powerful lever, F, to which the follower D is connected by its rigid stem or standard D^1, and a pivoted link-joint, D^2, as shown in Fig. 1.

The end of the lever F, back of the links D^2, is provided with a concaved projection, *a*, that forms a seat or rest for the end of the follower-stem, so that the same may readily retain, in connection with the links D^2, a vertical position during the upward or downward motion of the lever F.

Lever F is fulcrumed by semicircular irons *b*, that are rigidly attached to its sides to a round cross-piece, *d*, secured to the base-sills A. The outer end of lever F carries a pulley, *e*, over which, and a second pulley, *e′*, of the sills A, a rope, F′, passes, that is connected at one end to a cross-staple, *f*, at the end of the sills, and wound at the opposite end on an upright windlass, G.

By turning the windlass in one direction the rope is wound up, the lever lowered, and the follower raised for compressing the cotton, while by turning the windlass in opposite direction the rope is slackened, and the lever raised by the weight of the follower on its end, a recess or opening of the floor or platform B^1 admitting its assuming a nearly upright position.

When the follower is in its lowermost position below the cotton-box, the bagging is placed on the follower by being slid in between the same and the lower inclined end of the cotton-box. Then the follower is raised until it enters the box C. The cotton is then put in from above, and, when the box is filled with cotton, the bagging is spread over the top of the box, and the box closed by sliding in the top panel. The cotton is now ready for being pressed, which is accomplished in effective manner by lowering the lever by the windlass.

The press can be readily operated by two men, who can pack a bale of cotton of from five to eight hundred pounds with a comparatively short rope and considerable lever-power.

The link-joint connection of the standard or stem of follower with the fulcrumed lever imparts an easy and rapid motion to the follower, and also raises the lever by the weight of the follower in automatical manner, so as to ren-

der the box quickly available for the next filling, and facilitate thereby the packing of cotton or other material.

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

As an improvement in cotton-presses, the combination of the cotton-box C, with vertically-movable follower D, entering box at lower end, and a sliding and closing top panel, E, substantially as and for the purpose set forth.

JAMES TEMPLETON.

Witnesses:

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