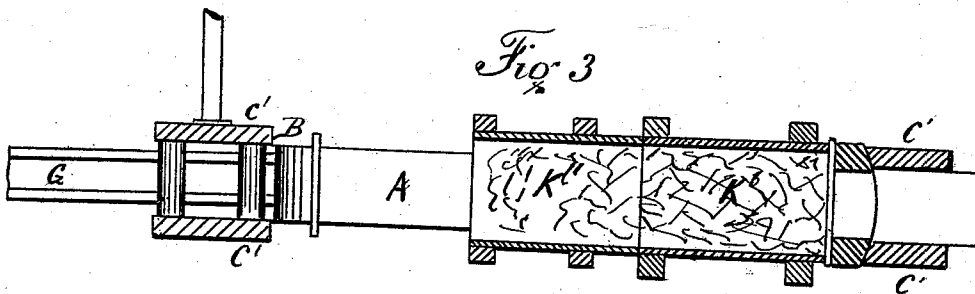
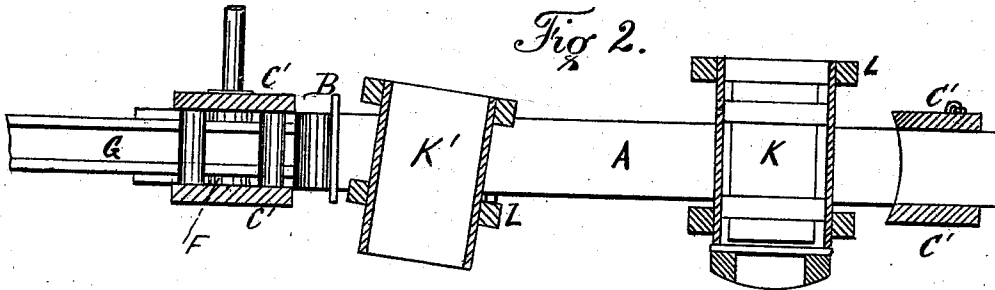
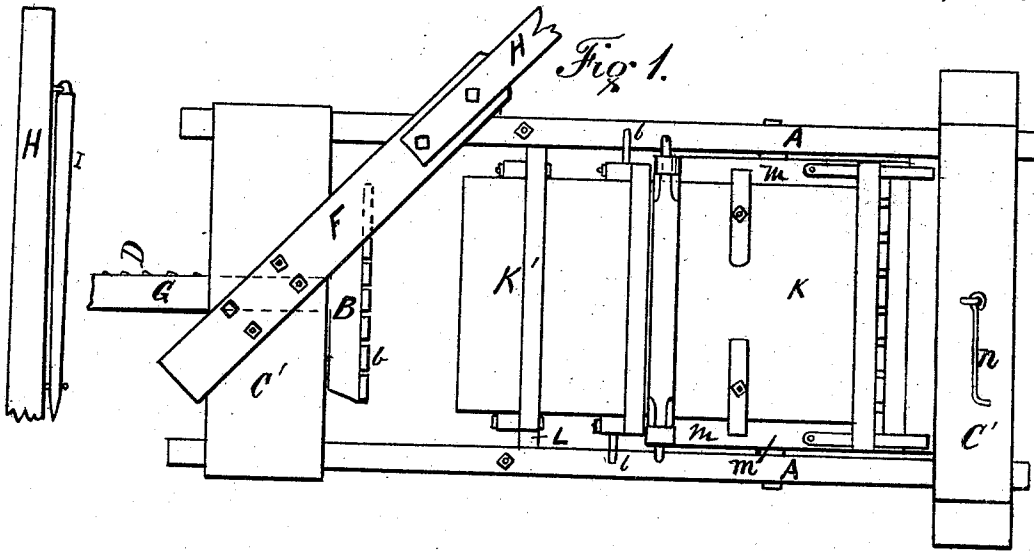


La F. W. LILES.

BALING-PRESS.

No. 172,132.

Patented Jan. 11, 1876.



Witnesses
B. C. Pole
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Inventor
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UNITED STATES PATENT OFFICE.

LA FAYETTE W. LILES, OF ROANOKE, ALABAMA.

IMPROVEMENT IN BALING-PRESSES.

Specification forming part of Letters Patent No. **172,132**, dated January 11, 1876; application filed March 18, 1875.

To all whom it may concern:

Be it known that I, LA FAYETTE W. LILES, of Roanoke, county of Randolph and State of Alabama, have invented an Improved Baling-Press.

The following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new, and are desired to be secured by Letters Patent of the United States.

My invention relates to that class of cotton-presses which may be termed "horizontal;" and the nature thereof consists in certain improvements in the construction of the same, hereinafter shown and described.

In the accompanying plate of drawings, in which corresponding parts are designated by the same letters, Figure 1 is a plan view of the press. Fig. 2 is a side elevation, representing the sections of the press-box in an upright position. Fig. 3 is a detached view of the section of the press-box in which the bale receives its final pressure.

In the drawings, A A designate horizontal beams, which are connected together by the transverse bars C' C'. B designates the pressing-head or follower, provided with a series of slats, b, and rigidly attached to the follower-rod G, which extends horizontally between the said bars C' C', and is provided on one side with a rack, D, the teeth of which engage with the teeth of pinion E, keyed to the vertical shaft F. To the upper end of the said shaft is secured a sweep, H, upon the outer end of which is hinged the prop I, the lower end of which is pointed, in order that it may catch in the ground, and act as a stop to prevent the recoil of the follower. Opposite the said pinion are arranged two anti-friction rollers, which

have their bearings in said transverse bars C' C', and hold the said follower-rod in its proper place against said pinion. The press-box consists of two sections, K K', each of which is so arranged that it may be revolved with facility to an upright position, as indicated in Fig. 2, for the purpose of filling. The section K', which is nearest the follower, is rigidly attached to the transverse bar L, which is hinged to the under side of the beams A A, in such a manner that when revolved to an upright position it will pass entirely clear of the section K. The projecting rods l l, attached to the sides of the said section K, prevent the same from being revolved too far in either direction. The bearings upon which said box K revolves are attached to one side of the upright pieces M, instead of the center thereof, in order that the said box may, in revolving, pass clear of the bars c c at the end of the frame. n designates a hook, by means of which the part K is held in a horizontal position.

Among the advantages which flow from this construction are, first, two sets of hands may be employed in filling the boxes; second, the boxes are short and convenient; third, the heads of the trampers are above the tops of the boxes.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the frame, the section K', hinged to the under side of the frame, and the section K, pivoted to the frame, as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of March, 1875.

LA FAYETTE WASHINGTON LILES.

Witnesses:

S. WATKINS,
JAMES DUNCAN.