

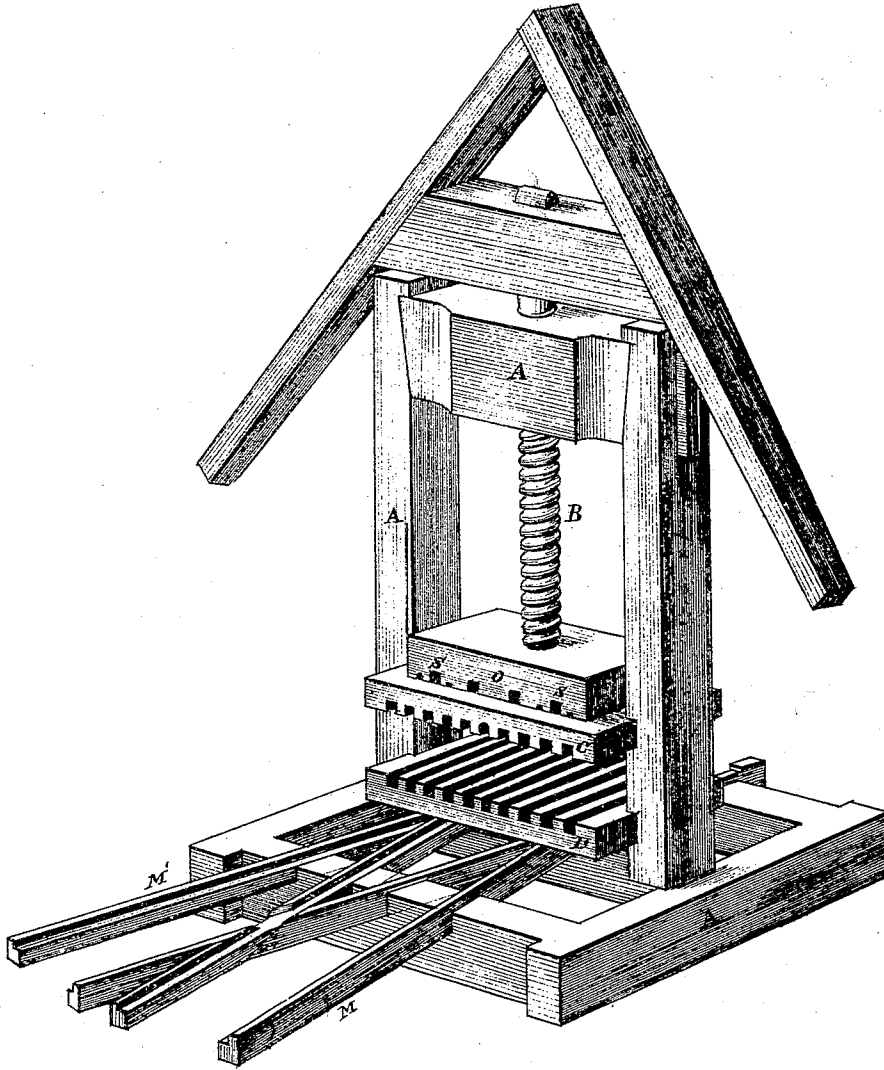
J.G. Cummings,

Hay Press.

No. 104,936,

Patented July 5, 1870.

Fig. 1.



Witnesses,

H. A. Daniels
J. W. Hester

J. G. Cummings Inventor, by
S. Whitman Attorney,

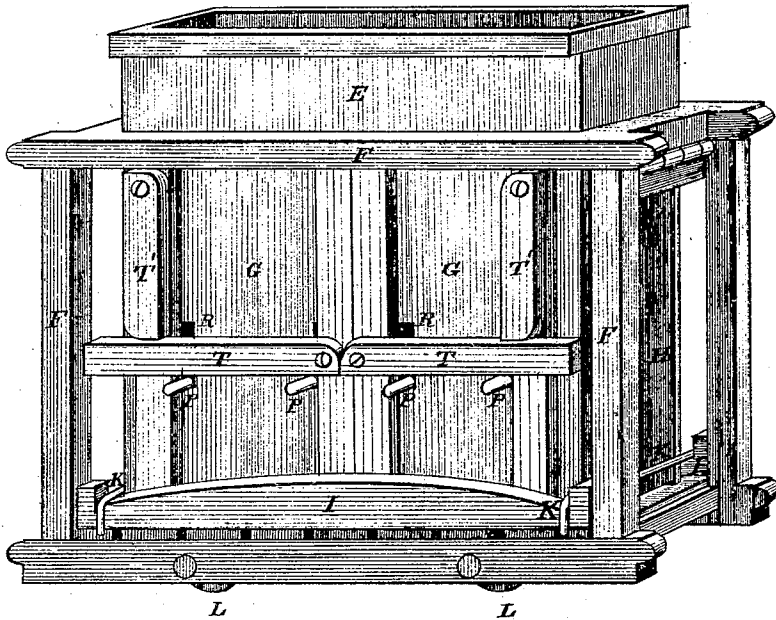
J. G. Cummings, 2. Sheets, Sheet 2.

Hay Press.

No. 104,936.

Patented July 5, 1870.

Fig. 2.



Witnesses,

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J. H. Auster

James G. Cummings
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Inventor, by
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United States Patent Office.

JAMES G. CUMMINGS, OF COLUMBUS, MISSISSIPPI.

Letters Patent No. 104,936, dated July 5, 1870.

IMPROVEMENT IN COTTON AND HAY-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES G. CUMMINGS, of Columbus, in the county of Lowndes and in the State of Mississippi, have invented a new and useful Improvement in Cotton and Hay-Presses; and do hereby declare that the following description, taken in connection with the accompanying drawing, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to secure by Letters Patent.

My invention relates to that class of apparatus or machines made use of for pressing cotton or hay; and

The nature thereof consists in certain modifications in the details and improvements in the construction of the same, hereinafter described and shown in the accompanying drawing, which illustrates my invention and forms a part of the specification thereof.

Figure 1 is a view in perspective of the frame of the press, and

Figure 2 illustrates the box or car in which the cotton is pressed.

The construction, operation, and relative arrangement of the component parts of my invention are as follows:

A designates the frame of the press, provided with the screw B, follower C, and bed-plate D, which, being devices of the ordinary form, and operated in the usual manner, need not be more fully described.

The box or receiver E is firmly secured within the frame F, and is provided with movable doors or panels, G and H.

The panels G are held in position by means of cleats attached to their outer sides, the ends of which fit in slots cut for their reception in the frame; and prevented from yielding to lateral pressure by the longitudinal bars I, which are transversely bound together by the cross-bolts K.

The end doors H are hinged to the upper part of the frame, and secured in position by the bolts K.

The lower part of frame F is provided with trucks L, by means of which the car may be moved backward or forward upon the rails secured to the bottom of the frame A.

When the machine is to be put into operation, the large follower C is detached from the smaller follower O, and removed, as is also the bed-plate D.

The cylindrical bars P, resting in vertically elonga-

ted apertures cut in the sides G, are then removed, and the box E is filled with cotton and run over the rails M until it reaches a position diametrically under the follower O.

Power is then applied, and the cotton is forced down by the said follower until it occupies a position below the apertures R.

The cylindrical bars P are then run through the said apertures and grooves S, cut in the bottom of the said follower.

Having been thus passed entirely through the box, the said bars are held in position and prevented from being forced upward by means of the cleats T and T', pivoted to the frame, the operation of which is rendered clearly obvious by the drawing.

The box E is then withdrawn upon the rails M, and, being filled with cotton, is again run under the follower, and the operation above described again repeated.

To facilitate the rapid pressing of the cotton, I make use of the double tracks M M', which cross each other in the manner illustrated, and form a junction beneath the follower O, in such a manner that, when one box or car is being filled with cotton, another is being subjected to pressure, and *vice versa*.

When the cotton has been sufficiently pressed, the longitudinal bars I and clamp-bars K are removed, and the panels G and H opened, so that the bales can be bound in the usual manner.

Having thus described the construction and operation of my invention, I will indicate what I claim and desire to secure by Letters Patent, in the following clauses:

I claim—

1. In combination with the frame of a press for pressing cotton or hay, the double track M M', the rails of which form a junction beneath the follower of the press, for the purpose of allowing two car-boxes to be used alternately, as described.

2. In combination with the box E, provided with the movable panels G and H, cleats T T', apertures R, frame F, bars P, bars I, clamps K, and trucks L, the follower O, provided with the grooves S, when constructed and operating together, as described.

In testimony that I claim the foregoing, I have hereunto set my hand this 12th day of March, 1870.

JAMES G. CUMMINGS.

Witnesses:

J. M. WOOD,
DUNCAN FLETCHER.