

(No Model.)

G. W. GLISSON, Jr.
COTTON PRESS.

No. 419,433.

Patented Jan. 14, 1890.

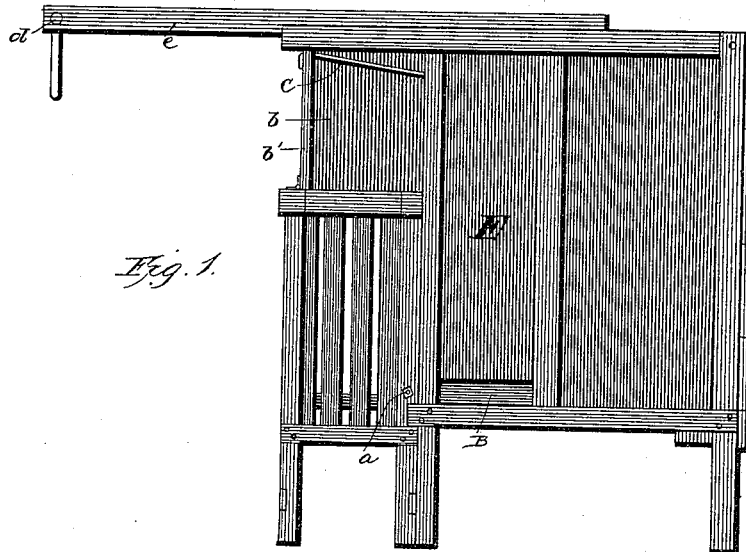


Fig. 1.

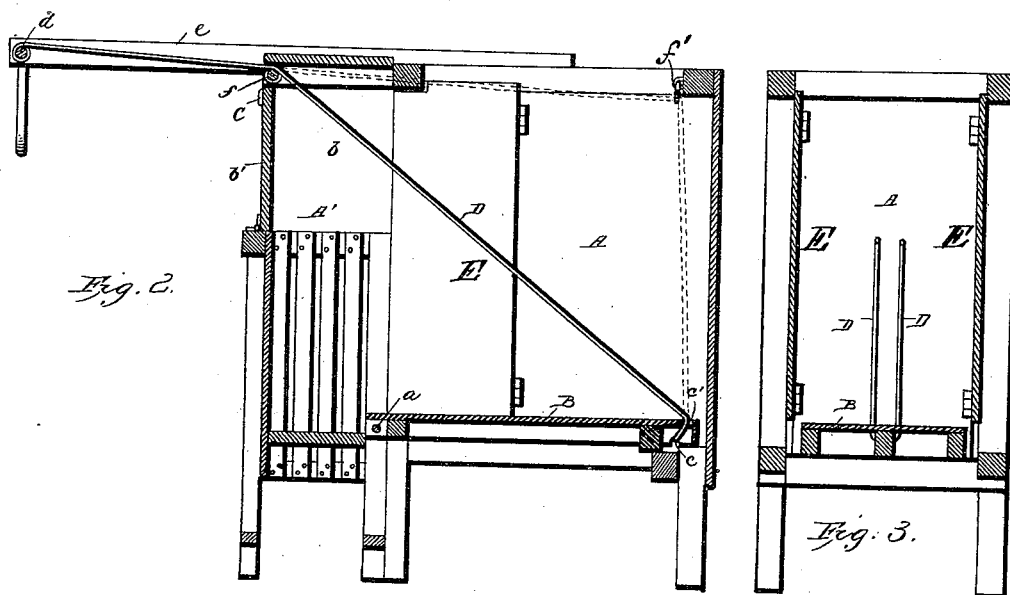


Fig. 2.

Fig. 3.

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UNITED STATES PATENT OFFICE.

GEORGE W. GLISSON, JR., OF RUTHERFORD, TENNESSEE.

COTTON-PRESS.

SPECIFICATION forming part of Letters Patent No. 419,433, dated January 14, 1890.

Application filed April 12, 1889. Serial No. 306,925. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GLISSON, Jr., a citizen of the United States of America, residing at Rutherford, in the county of Gibson and State of Tennessee, have invented certain new and useful Improvements in Cotton-Presses, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention is directed to certain improvements in cotton-presses; and it consists of the novel construction and combination of parts, as will fully appear from the following description and accompanying illustrations, in which—

Figure 1 is a side elevation of my improved cotton-press. Fig. 2 is a sectional elevation of the same. Fig. 3 is a cross-sectional elevation thereof.

In the embodiment of my invention I construct a lint room or chamber A and a cotton-press chamber A' conjointly. By this arrangement it will be seen that the lint as it accumulates in bulk in the lint-room as it is received from the gin can be readily passed directly therefrom into the press. The lint-room and press-chamber may be constructed in any well-known way—as, for instance, as shown in the drawings; but, instead of the usual bottom or floor, I provide the lint room or chamber A with a bottom or floor B, which is pivoted or hinged in position, it may be by passing through apertured extended ends of the floor-joists a fixed rod *a*, bolted or secured in side posts or uprights of the press-chamber A' at a point slightly above the press-chamber bottom. The upper part of the cotton-press chamber A' has applied to its front and sides auxiliary side boards *b* and a door *b'*, the door *b'* being held against the front ends of the side boards *b b* by hooks on clamp-rods C hooked over the top edges of the front door and connected to the upper portions of studding of the lint-room. Thus the said parts are held together so that boards can be readily removed, while the door can be swung down to obtain access to the contents of the baling-press, as required, in tying and disposing of the same.

D D is a doubled rope or chain having its

middle or looped portion engaging a notch *c* in the under side of one of the joists of the bottom or floor B and passing up alongside of said joist and through apertures *c' c'* in the floor at the outer free end thereof. The rope or chain is now passed over pulleys *f* at the upper forward edge of the press-chamber and then wound at its ends around a shaft or windlass *d*, shown for convenience in the present instance as being mounted upon or in extension side pieces *e e*, fastened to the top of the lint-room and press-chamber.

E E are two doors, which are hinged to the sides of the lint room or chamber A and are used to partition off the press-chamber A' from the main portion of the lint room or chamber A while placing or feeding the cotton or lint into the press-chamber. As indicated in dotted lines, the rope D at this time is elevated out of the way, having been passed back and caught over hooks *f'* at the upper rear end of the chamber or lint-room A. After thus filling the press-chamber A' the doors E are swung open, as indicated in the drawings, and the hinged bottom B then elevated, compressing or packing the cotton in the press-chamber, thus pressing it into bale form, the binding or tying bands then being applied thereto in the usual way, after which the bale is expelled or taken from the press.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a cotton-press, the combination of the lint chamber or room having a hinged bottom, the press-chamber opening into said lint-chamber, the doubled rope or chain centrally connected to said bottom, and means to effect the winding or taking up of the rope or chain, said bottom having its hinged point at the inner or rear bottom edge of the press-chamber, substantially as set forth.

2. In a cotton-press, the combination of the lint chamber or room having a hinged bottom, the press-chamber opening into said lint-chamber, the doors hinged to the sides of the press-chamber at the rear end of the lint-chamber, the doubled rope or chain looped into a notch in the lower side of the central joist of said bottom near the outer end there-

of, the hooks arranged at the upper rear end
of the lint-chamber to permit elevating the
chain or rope at that end of the latter, and
the windlass or shaft arranged beyond the up-
5 per forward end of the press-chamber, to
which said rope or chain is connected, sub-
stantially as specified.

In testimony whereof I affix my signature in
presence of two witnesses.

GEORGE W. GLISSON, JR.

Witnesses:

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