# B. D. Gullett,

## Cotton Press.

No. 86,532. Patented Feb. 2. 1869.

Fig. 3

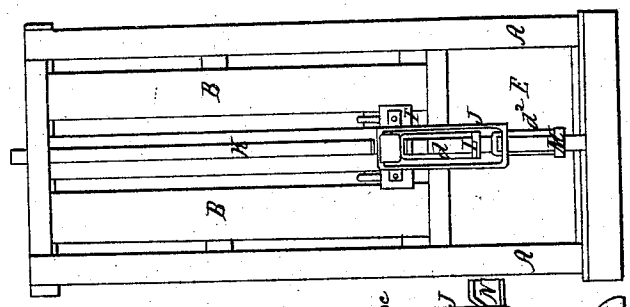



Fig. 2

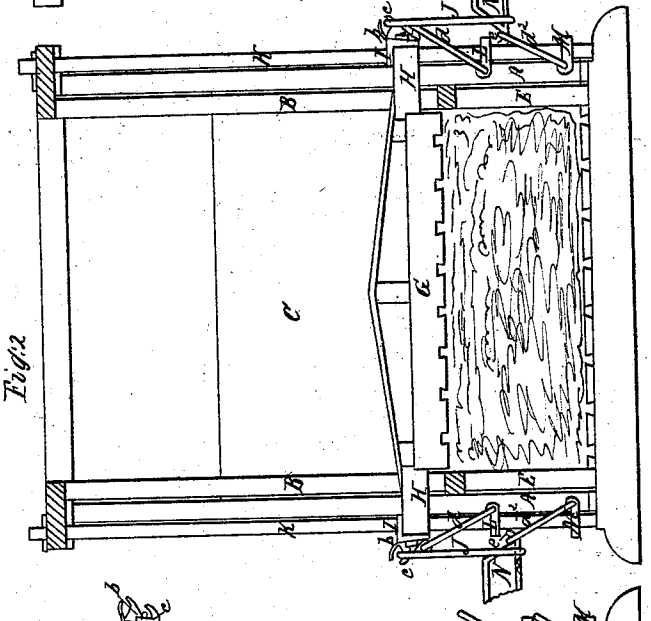
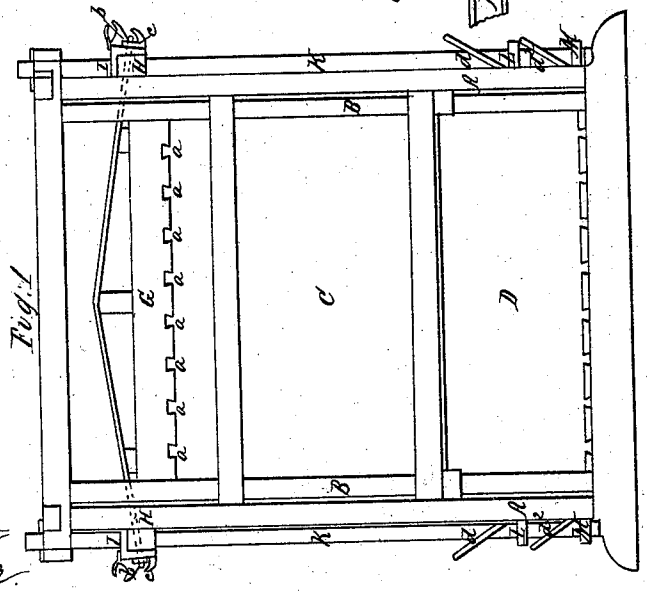



Fig. 4


Fig. 1

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BENJAMIN D. GULLETT, OF AMITE CITY, LOUISIANA.

*Letters Patent No.* 86,532, *dated February* 2, 1869.

## IMPROVEMENT IN PRESSES FOR BALING COTTON.

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, BENJAMIN D. GULLET, of Amite City, parish of St. Helena, Louisiana, have invented, made, and applied to use certain Improvements in the Construction of Presses for Baling Cotton; and I do declare the following to be a full, clear, and correct description of my invention, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a side elevation of my improved press.

Figure 2 is a vertical-cut section of the same.

Figure 3 is an end view of the same.

Figure 4 is a view of the lever used in operating the press.

In the drawings, like parts of the invention are pointed out by the same letters of reference.

The nature of the present invention consists in certain improvements, as more fully hereinafter set forth, in the construction of presses for baling cotton; the object of the invention being the production of a press, for use upon plantations, which can be afforded at a low cost, and can be readily and easily operated.

To enable others skilled in the arts to make and use my invention, the following description will be found sufficient:

A is a frame-work, composed of upright pieces, connected together by a series of cross-braces.

Within this frame-work A is a secondary frame-work, B, the sides of which are closed, as at C, and to which access is had by removing the doors D, inserted and held within the lower or bottom portion of the same.

The ends of this secondary frame-work are also closed upon their lower portion by removable side pieces E, while the portion of them above these side pieces E is slotted, to allow of the free movement of the platen or follower G.

The bottom of the frame-work is slotted, to correspond with slots *a* upon the under side of the follower G.

The platen or follower G is made in the usual manner, and is slotted, as at *a*, upon its under side, and is provided with the strips H, projecting through the slotted portions of the frame-work B, to the ends of which strips H are attached the plates of metal, I, provided with the lugs *b*, having upon them the hooks *c*, to which the links *d* may be attached, as hereinafter set forth.

The upper or top portion of these lugs may be hollowed sufficiently to receive the larger and longer links J, which may be retained in position upon the hollowed portion in any convenient manner.

The plates of metal, I, are slotted, to admit of their passing freely up and down upon the standards K, secured upon each end of the frame-work A, about midway between the upright pieces of the same.

L are friction-clutches, passed over the standards K, and provided with the links *d*, operated as hereafter set forth.

M are plates of metal, provided with the links $d^2$, and moving freely upon the standards.

N shows levers for depressing the follower G.

These levers have one end cut angularly, and have secured upon this end a plate of metal, provided with a toe, *e*, which toe *e* is placed directly on a line parallel with the bottom of the lever.

The under portion of the plates of metal is slotted, to receive the lower portions of the links J, while over the hooks *c* are passed the upper portions of the links *d*, as clearly seen in fig. 2.

The object of thus constructing these levers is to give a great amount of leverage from a short point or fulcrum, which will be found particularly advantageous in a press constructed as first described.

Such being the construction, the operation may be thus described:

The doors D may be removed, that access may be had to the lower portion of the frame-work B, in which is placed the cotton to be baled, and the bagging to cover the same, the ropes employed being inserted in the slots in the same.

The doors may now be placed in position in the frame-work B, and the press is ready for operation.

The levers N may now be inserted in position, the lower portions of the links J bearing upon the slotted portions of the plates of metal provided with the toe *e*, while the toes receive the upper portions of the links $d^2$ attached to the plates of metal, M.

By depressing the levers N, the follower G will gradually be drawn down upon the cotton, compressing the same compactly, the plates of metal, M, gradually moving down upon the standards K, in advance of the follower G, as the levers N are operated, while the friction-clutches L hold the follower in position, as depressed, by binding tightly upon the standards K.

The links $d^2$ upon the plates of metal, M, form the fulcra for the levers N, and the links *d* and J draw the follower G down.

After the cotton has been compressed sufficiently for baling, the ropes used may be passed over the bale, through the slotted portions of the follower G, and tightened by a windlass, used generally for such purpose.

The doors and end pieces may now be removed, and the bale be delivered from the press, and, the follower G having in the meanwhile ascended, the press may be recharged with cotton, and the operation just described be repeated.

The press just described will be found particularly adapted to plantation use, enabling the planter to prepare his cotton for market readily, and at a low cost.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the follower G, provided with the strips H, with the plates of metal, I, links J, *d*, and $d^2$, friction-clutches L, plates of metal, M, standards K, and levers N, constructed and operating substantially as and for the purposes set forth.

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Witnesses:

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