(No Model.)

J. A. LANHAM.

HAY OR COTTON PRESS.

No. 264,712. Patented Sept. 19, 1882.

Fig. 1.

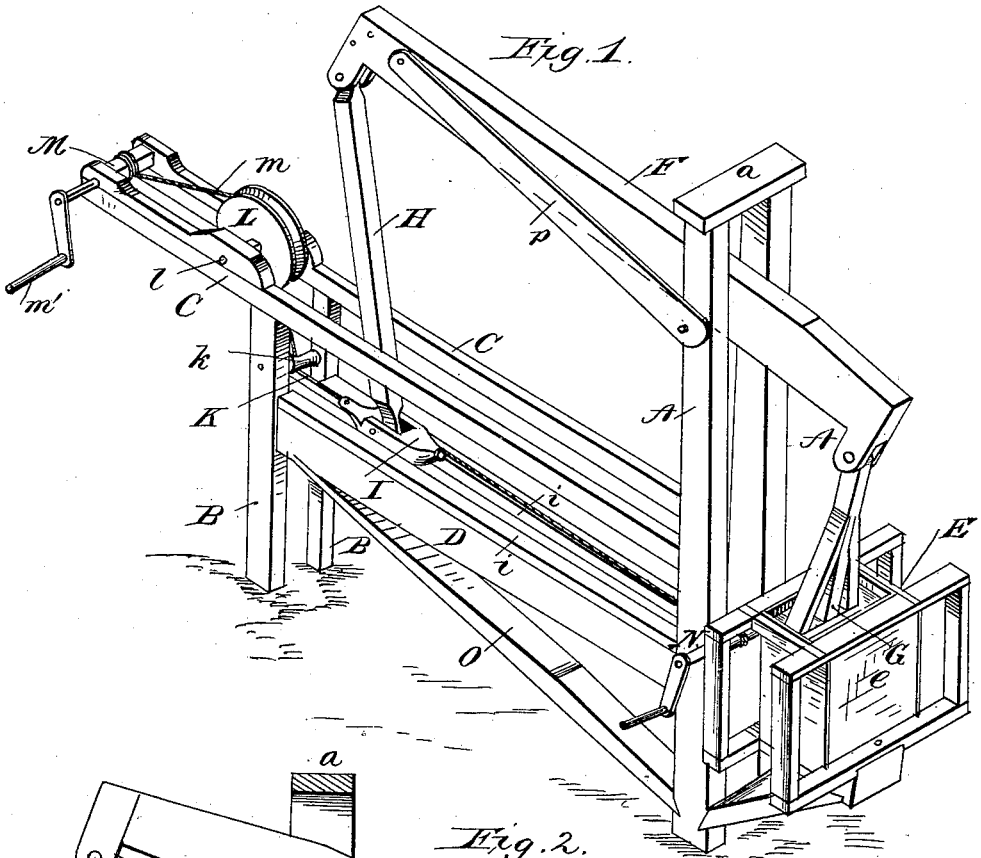
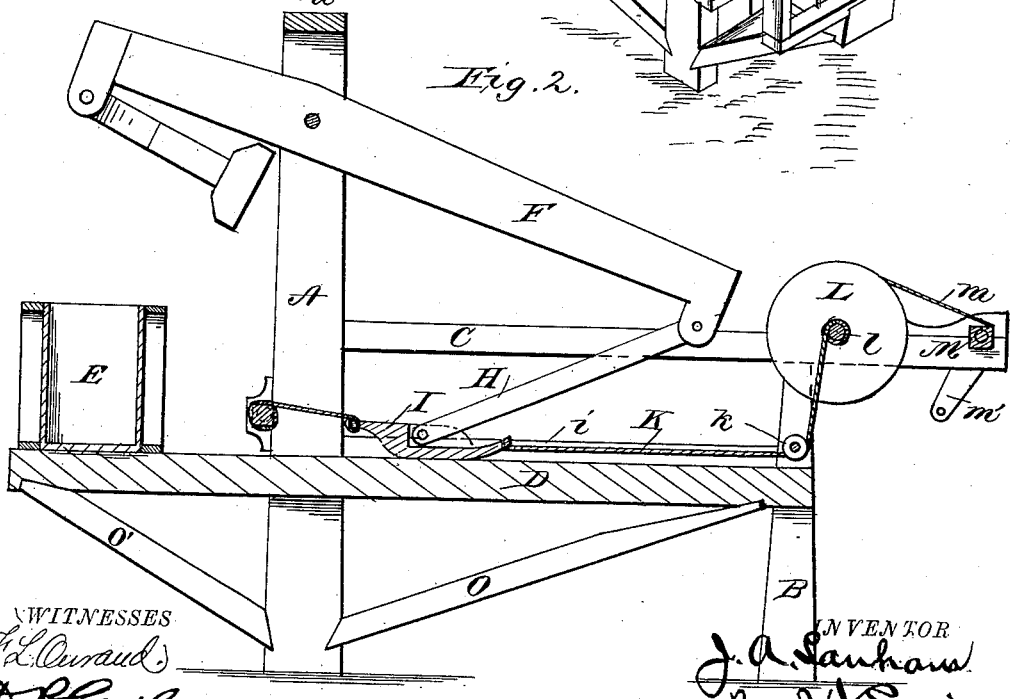


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN A. LANHAM, OF ROBERTSON, MISSISSIPPI.

HAY OR COTTON PRESS.

SPECIFICATION forming part of Letters Patent No. 264,712, dated September 19, 1882.

Application filed June 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. LANHAM, a citizen of the United States, residing at Robertson, in the county of Clay and State of Mississippi, have invented certain new and useful Improvements in Hay and Cotton Presses, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has relation to baling-presses for hay, cotton, and the like; and the object of the invention is to provide a press for that purpose that can be readily constructed on the farm or plantation with the ordinary tools at hand, and dispense with skilled labor both in its construction and use, and at the same time have it cheap, simple, and thoroughly effectual in operation.

To that end the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference marked thereon indicate like parts of the invention.

Figure 1 is a view in perspective of my improved press in operation, and Fig. 2 is a longitudinal sectional side elevation.

A A are two standards, secured at the top by the brace *a*. B B are two shorter standards, and C C are frame-pieces secured to the standards A and B, so as to brace them, as shown.

D is a heavy timber, likewise secured to the standards A and B, and having one end projecting a suitable distance beyond the standards A A, so as to form a support for the baling-chamber E, mounted thereon. This baling-chamber is of ordinary construction, and its front side, *e*, is removable, so that access may be had to the bale for the purpose of banding or tying it, and to remove it from the chamber when it is finished.

F is a lever mounted in between the upper part of the standards A A, and from its shorter end is suspended the follower G. To the longer end of this lever is connected one end of a pitman, H, the other end of which terminates in a shoe, I, working in guides *i i* on the top of the timber D. To one end of this shoe I is connected a rope or chain, K, which passes under a roller, *k*, and thence around the shaft *l*. Upon this shaft *l* is mounted a pulley, L, around which a rope or chain, *m*, passes to the shaft M, provided with a crank, *m'*.

The operation of these parts is as follows: When the lever F is in the position shown in Fig. 2 and the follower G in line with the bale-chamber the handle *m'* is turned so as to wind the rope *m* on the shaft M. This unwinds it from the pulley L, and at the same time revolves the shaft *l* and winds upon it the rope K, which draws the shoe I along in the guides *i i*, which causes the pitman H to raise the longer end of the lever F and force its shorter end with the follower into the bale-chamber and compress the cotton or hay. It will thus be seen that through the medium of the pulley L and the lever F a very great pressure is brought to bear on the contents of the bale-chamber.

To the front end of the shoe I is attached a cord or rope, *n*, which passes around a shaft, N, provided with a crank, *n'*, so that to raise the follower out of the bale-chamber and place the press in condition for filling it is only necessary to wind the cord *n* on the shaft N. This draws the shoe I forward, unwinds the ropes K *m*, and restores the parts to the position shown in Fig. 2.

O O' are braces to give additional rigidity to the frame-work, and *p* is a brace to prevent any side play of the lever F. A similar brace (not shown) is placed on the other side of the lever for the same purpose.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A baling-press consisting of the standards A B, lever F, pitman H, follower G, and bale-chamber E, in combination with the timber D, shoe I, guides *i i*, ropes *m*, *n*, and K, shafts N, M, and *l*, and pulley L, substantially as and for the purpose set forth.

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

JOHN A. LANHAM.

Witnesses:
J. C. HILL,
B. F. DORTER.