

(No Model.)

H. W. NOTT.  
POWER DEVICE FOR BALING PRESSES.

No. 421,107.

Patented Feb. 11, 1890.

Fig. 3.

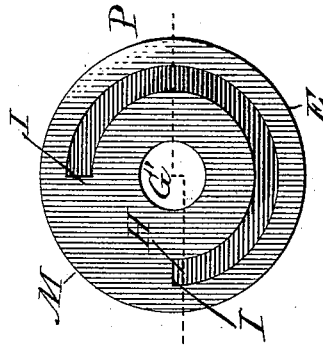


Fig. 1.

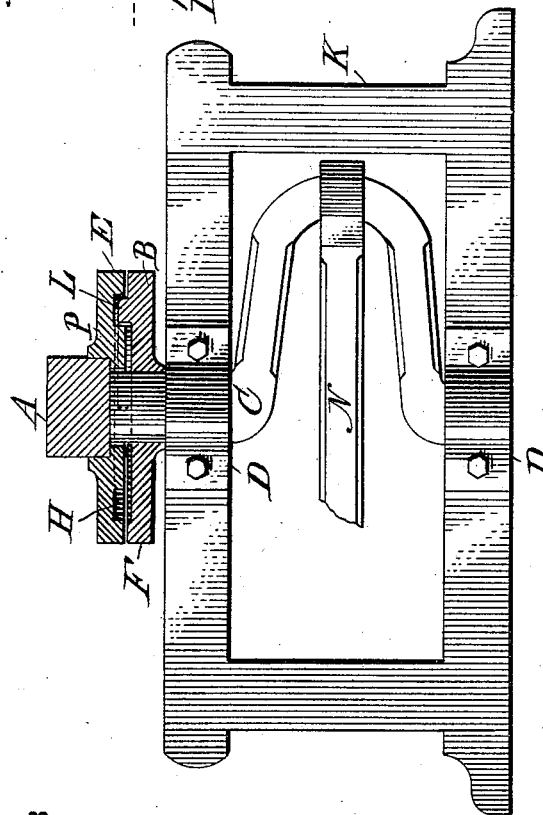
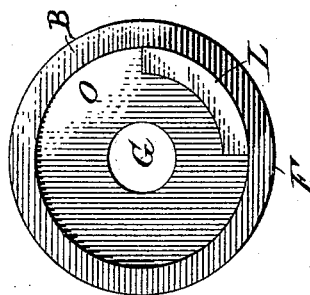


Fig. 2.



Witnesses:

*H. W. Nott*  
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Inventor:

*H. W. Nott*

# UNITED STATES PATENT OFFICE.

HENRY W. NOTT, OF CAMERON, TEXAS, ASSIGNOR TO T. M. CASS AND N. CASS,  
OF SAME PLACE.

## POWER DEVICE FOR BALING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 421,107, dated February 11, 1890.

Application filed September 20, 1888. Serial No. 285,939. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY W. NOTT, a citizen of the United States, residing at Cameron, in the county of Milan, in the State of Texas, have invented a new and useful Power Device for the Purpose of Baling Hay in a Press, of which the following is a specification.

My improvement relates to the operation of a plunger by means of a crank and lever, and I attain this object by means of the mechanism illustrated in the accompanying drawings.

Figure 1 represents an end elevation of the power-frame, the clutch-disks being shown in section.

Fig. 2 represents a wheel or disk B, cast solid with or fixed rigidly to a crank C, as shown in Fig. 1, the upper surface being recessed in the space represented by O. F is a smooth flat rim raised above and around the recessed portion O. L is an arc-shaped lug inside of the rim F, and is raised above said rim. G is the point at which the crank-shaft C is fastened to the wheel. (Shown in Fig. 2.)

Fig. 3 represents a wheel or disk P, flat on its lower surface and having an arc-shaped groove H. E is a flat rim. M is a plain segment of the wheel or disk ungrooved. G' is an opening in the center, through which the crank-shaft C passes and rotates.

In Fig. 1, K is a frame. D D are boxes fixed to the frame K. C is a crank-shaft with journals working in boxes D D. N is a pitman or plunger-rod, operated by the crank C, and to the end not shown in the drawings it has attached a plunger, which presses the hay into the press.

The disk B (shown in Fig. 2, as before stated) is fixed rigidly to the shaft of the crank C at G. The disk P is placed on disk B, the lug L fitting and sliding in the groove H, the crank-shaft C passing through disk P at G. The shaft C, passing through disk P, holds the same in position by means of a nut or key at the top. (Not shown.) Disk P works freely on the crank-shaft C at G. A is a power-

lever attached to the top of disk P. Now, the force being applied to lever A revolves disk P until the segment M engages lug L, when disks P and B and shaft C revolve together, moving the pitman N forward into the press and compressing the hay. As soon as shaft C has carried pitman N to its farthest limit and slightly past the center, the elasticity or rebound of the compressed hay forces pitman N out and revolves shaft C and disk B faster than disk P and into the position shown in the drawings, where they remain until overtaken and re-engaged by disk P in its revolution.

The disk P, as will be noticed, has shoulders I, formed by the extremities of the groove H, the cut-away portion of the disk forming the groove being greater than the length of the lug L. This difference between the length of groove or cut-away portion of the disk H and the lug L enables an independent movement of the two disks.

In operation the power is fixed to the press in such manner as to make both power and press stationary.

The disks shown in Figs. 2 and 3 may be made as full wheels or as segments.

The term "hay," as used in the specification and claim, means hay or any other product which is usually compressed.

What I claim as new is—

In a baling-press, the combination, with a suitable frame, of a crank-shaft journaled therein, a pitman, and two disks, one loosely and the other rigidly mounted on said shaft and provided, respectively, upon their adjacent faces with a pair of shoulders and a lug, the length of the cut-away portion between said shoulders being greater than the length of said lug, whereby independent movement of the two disks is permitted, and a sweep rigidly attached to the loosely-mounted disk, substantially as and for the purpose set forth.

HENRY W. NOTT.

Witnesses:

T. S. HENDERSON,  
SAM STREETMAN.