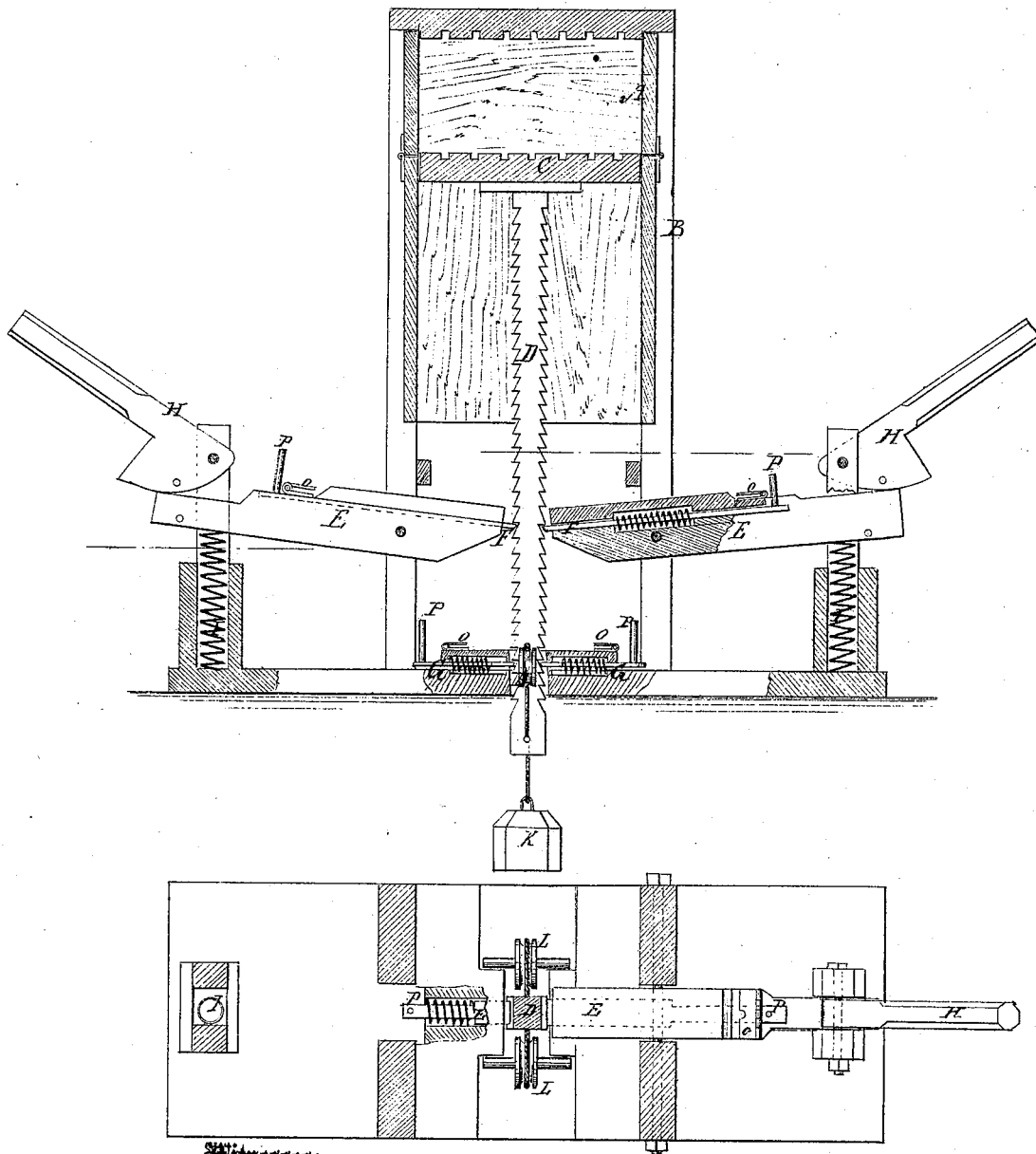


M. Wallace,

Hay Press.

No. 106,893.

Patented Aug. 30. 1870.



Witnesses:

Graz. Viola
S. S. Mabey

Inventor:

Director:
 M. Wallace
 PER *M. Wallace*
 Attorneys.

UNITED STATES PATENT OFFICE.

MARSHALL WALLACE, OF LITTLE ROCK, ARKANSAS.

IMPROVEMENT IN HAY AND COTTON PRESSES.

Specification forming part of Letters Patent No. **106,893**, dated August 30, 1870.

To all whom it may concern:

Be it known that I, MARSHALL WALLACE, of Little Rock, in the county of Pulaski and State of Arkansas, have invented a new and useful Improvement in Presses; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in presses for hay and cotton; and consists in the combination, with the ratchet-toothed stem of a follower, of pivoted levers, spring-pawls, hinged plates, levers, and springs, as hereinafter shown and described.

Figure 1 is a sectional elevation of my improved press, and Fig. 2 is a horizontal section of the same.

Similar letters of reference indicate corresponding parts.

The case A is arranged on suitable supports B, so that the follower C will work from the bottom upward. The stem D of the follower is provided with ratchet-teeth on two opposite sides, and the levers E, provided with spring-actuated sliding pawls F, are employed for raising it. Below the levers E are other spring-actuated sliding pawls, G, for holding it after being raised by the levers E.

To increase the leverage for pressing with great force I have applied the eccentric-levers H to the long arms of the levers E, as shown, for forcing them down, and I use the springs I under them for raising them up.

The counterbalance-weights K are applied to the stem D by means of cords working over pulleys L, to assist in raising the follower; also to regulate the descent of the follower when the pawls are disconnected from the stem D for the purpose. This is done by sliding the pawls back against their springs, and securing them by the hinged plates O, which are turned over against the studs P, provided on the said pawls for the purpose. This arrangement makes a very simple and efficient press, which may be worked easily by one or two persons.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the standard D and pivoted levers E, provided with sliding pawls F, studs P, and hinged plates O, and operated by levers H and springs I, all substantially as and for the purpose herein set forth.

MARSHALL WALLACE.

Witnesses:

WM. A. COUNTS,
PERCY PHILLIPS.