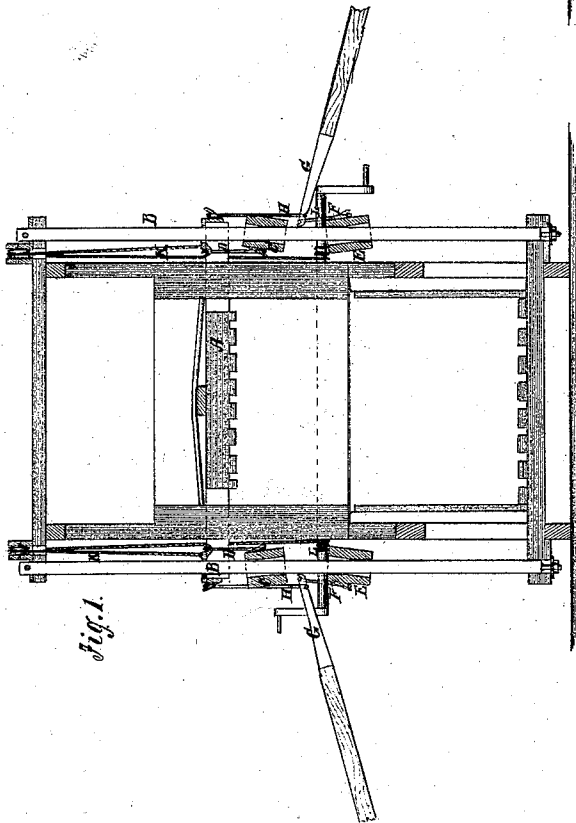
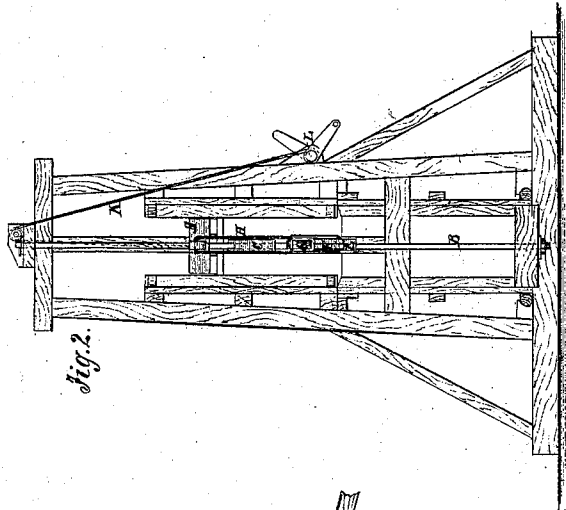


*G. W. Swinebroad,*

*Hay Press.*

*No. 106427.*

*Patented Aug. 16, 1870.*



Witnesses,  
*A. Remondet*  
*S. S. Mabee*

Inventor:

*G. W. Swinebroad*

PER

*Mumford*

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# United States Patent Office.

GEORGE W. SWINEBROAD, OF BOLIVAR, TENNESSEE.

Letters Patent No. 106,427, dated August 16, 1870.

## IMPROVEMENT IN PRESSES FOR HAY, COTTON, &c.

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, GEORGE W. SWINEBROAD, of Bolivar, in the county of Hardeman and State of Tennessee, 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.

My invention relates to presses, and consists in a peculiar and improved arrangement of the main parts which constitute the mechanism for operating the follower.

Figure 1 is a sectional elevation of my improved press, and

Figure 2 is a side elevation of the same.

Similar letters of reference indicate corresponding parts.

A is the follower, arranged in a vertical case. The ends project through vertical slots in the sides, and work up and down on vertical bars B.

C represents gripping-blocks, provided with holes through them, arranged for the fans B to pass through and for gripping them when tilted, so as to hold against vertical force applied to them on the bars. These blocks C are suspended from the follower by links D attached to them on the sides, so as to cramp them on the bars.

E represents other gripping-blocks, similarly arranged on the bars B, and suspended by links F from the

short arms of levers G, suspended from the follower by links H.

The links F are also attached to the sides of the blocks E, so as to tilt them on the bars B, and cause them to gripe thereon. When there is no upward strain on the blocks E, they will slide freely down on the bars, so that if the long arms of the levers are raised they will fall down along the bars, but will gripe the bars firmly as soon as the bars are turned down; this will draw the followers and the upper gripping-blocks down; and these latter blocks will gripe the bars in the same way and hold the followers from going back again while the levers are raised for dropping the blocks E again and taking hold anew. In this way the followers may be readily forced down with great power.

The followers may be raised by cords K, a winding shaft, L, and suitable grinding-pulleys.

Having thus described my invention,

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

The arrangement, with respect to the follower A, fulcrum blocks E, and detent blocks C, of the links D F H, and lever G, as and for the purpose specified.

GEORGE W. SWINEBROAD.

Witnesses:

H. R. DAVIS,

W. T. ANDERSON.