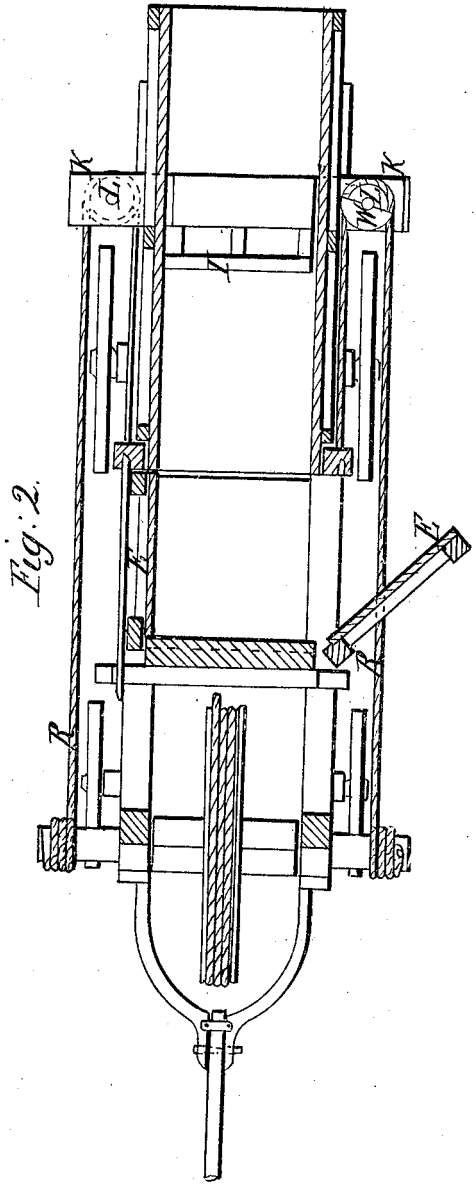
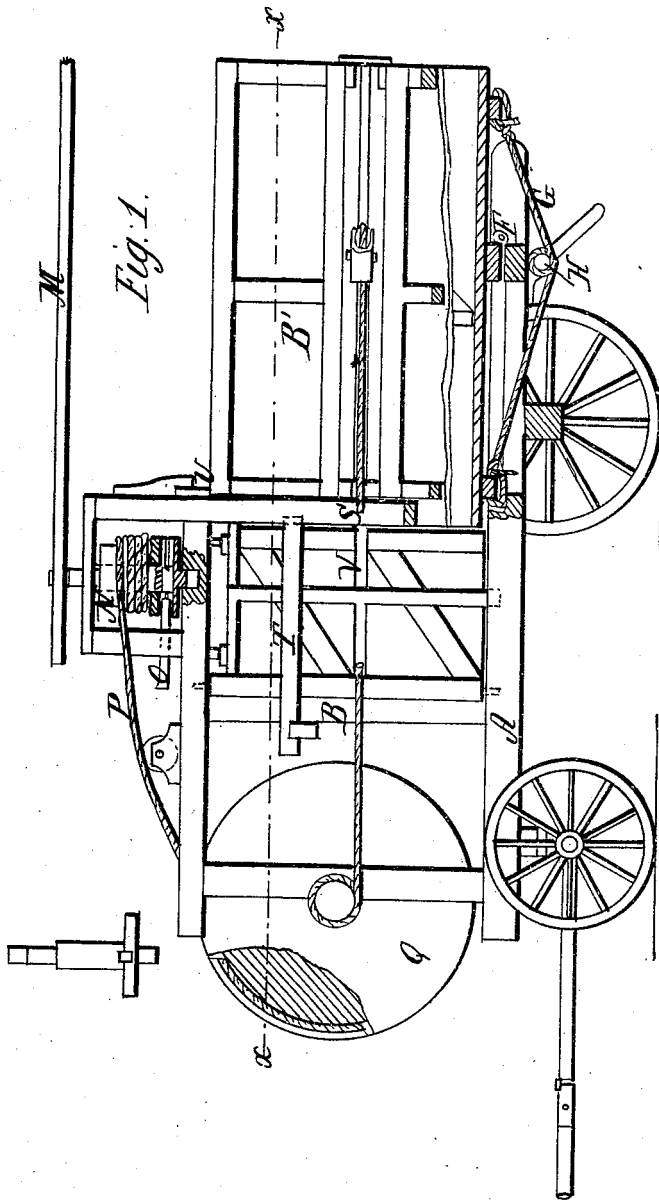


*Erkeley.*

*Hay Press.*

*N<sup>o</sup> 85,783*

*Patented Jan. 12, 1869.*



*Witnesses;*  
*Jm A Magan*  
*Philip C. Dieterich*

*Inventor;*  
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J. BERKELEY, OF WASHINGTON, TEXAS.

Letters Patent No. 85,783, dated January 12, 1869.

IMPROVED BALING-PRESS.

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, J. BERKELEY, of Washington, in the county of Washington, and State of Texas, 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 drawings, forming part of this specification, in which—

Figure 1 represents a side elevation with parts broken away, and

Figure 2 represents a horizontal section on the line *x x* of fig. 1.

Similar letters of reference indicate like parts.

The object of this invention is to provide an improved portable press for pressing cotton, hay, and other articles.

The filling and pressing-chamber is divided into two parts, one of which is fixed to the wagon-frame, near the front end, in a permanent manner. The other part, to which the material is supplied to be pressed, and which is provided with the follower, is arranged upon trunnions near the end of the wagon, and is turned up with the rear end down to be filled. When filled it is restored to the level of the frame, and communicates with the fixed portion, into which the material is forced by the follower, which is operated by a windlass and cords working over pulleys properly arranged. The sides of the fixed portion are arranged to open to discharge the bale.

A represents the frame of the press arranged upon wheels for the purpose of transportation.

B and B' represent the pressing and filling-chambers, the part B being fixed to the frame in a permanent manner, and provided with swinging doors E on each side.

The part B' is connected to the frame at E by hinges or trunnions, and arranged to be turned on the same, so as to raise the front end out of contact with the part B for filling, for which purpose it is provided with the cord G and winding-shaft H.

I represents the follower, having wires K projecting through slots in the walls of the filling-chamber supporting the pulleys L.

M represents the operating sweep, the shaft of which

is provided with a winding-sleeve, N, working loosely thereon when not connected by the key O.

A cord, P, passes from the sleeve over the large wheel Q, while other cords, R, arranged to be readily attached to or disconnected from the ends of the shaft of the wheel P, pass around the pulleys L, and are fastened to the frame at S.

T represents cross-bars for securing the doors of the press in a closed condition, and

U represents a similar bar for holding the part B' of the chamber in a closed position.

To operate my improved press, the pin O may be pulled out to disconnect the sleeve N from the shaft of the sweep M, and the cord P unwound therefrom, to allow the follower to be moved back in the chamber to the rear end, the cords R being then disconnected from the shaft of the wheel Q and the bar U removed. The part B' may be turned up into the position for filling, which, being accomplished, and the part B' returned to and secured in its original position, and the cords R connected to the winding-shaft, and also the sleeve N secured to the shaft by the pin O, motion may be communicated to the sweep, whereby the follower will be forced up to the part B, and the substance pressed therein, when the doors E may be opened, being provided with slots V, so as not to be obstructed by the cords R, and the bales may be tied, the end wall of the chamber and the face of the follower being provided with grooves for passing the cords or other ties. The pressure of the follower may then be relaxed, and the bale discharged.

Having thus described my invention,

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

The combination of the fixed part B and the movable tilting part B', the latter containing the follower I, adapted to be tilted with it, and operated by the winding-drum N, cord P, wheel Q, cords R, and the wings K, working in the horizontal slots in the sides of said part, as herein described, for the purpose specified.

J. BERKELEY.

Witnesses:

JOHN ALEXANDER,  
JESSE B. LATT,