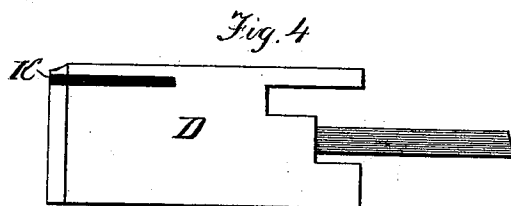
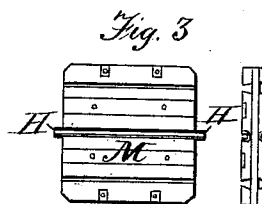
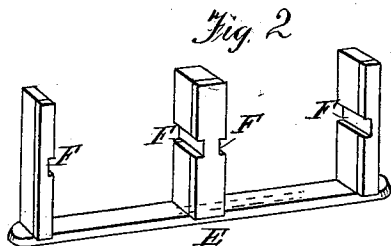
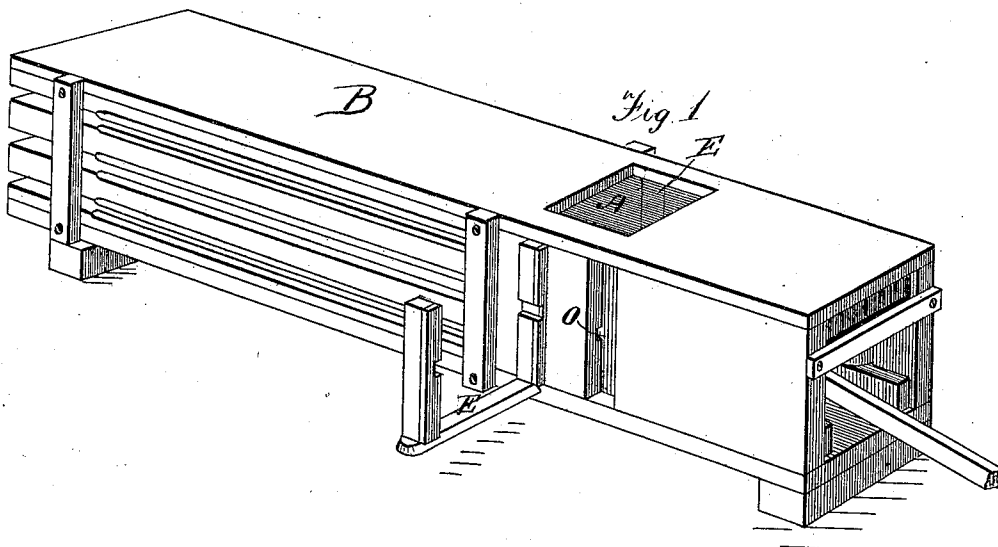


P. K. DEDERICK.

BALING PRESS.

No. 177,216.

Patented May 9, 1876.



Witnesses  
Grenville Lewis  
M. Church

Inventor  
Peter K. Dederick  
By Hill, Ellsworth & Pearson  
His Atty.

# UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF ALBANY, NEW YORK.

## IMPROVEMENT IN BALING-PRESSES.

Specification forming part of Letters Patent No. **177,216**, dated May 9, 1876; application filed April 4, 1876.

*To all whom it may concern:*

Be it known that I, PETER K. DEDERICK, of Albany, in the county of Albany and State of New York, have invented a new and useful Improvement in Baling-Presses; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

The first part of my invention consists of an improved device for facilitating the introduction of the partition-followers into the press-box of my continuous baling-press, on which numerous patents have been heretofore granted me.

The second part of my invention consists of the supplemental passage in the press-box covered with the valves.

The third part consists of an improved construction of the partition-followers, relating particularly to a metallic strip in the same, and the fourth, of an improved construction of the yielding or spring top of the traverser.

In the drawings, Figure 1 is a perspective view of a continuous baling-press frame, which may be constructed, except in the particulars named above, as shown, or in any ordinary manner. Fig. 2 represents the frame for carrying the followers. Fig. 3 shows the improvement in the partition-followers which separates the bales; and Fig. 4 represents the improvement in the traverser for pressing the hay.

The frame which carries the partition-followers is represented in place in Fig. 1 at E, and detached in Fig. 2. It consists of a framework of suitable size and strength to hold the partition-follower. In the drawing it is represented as made with a bottom piece, having three uprights fixed thereon, the uprights being made to correspond to the height of the follower. These uprights are provided with notches F F, made in their sides, to correspond with the projections H H, on the ends of the partition-follower. These serve to retain the followers in place, but spring-catches may also be used if deemed desirable. The frame passes into the side of the box, as shown in Fig. 1, and by an opposite opening, cut at the other side.

The parts are so adapted to each other that

when the partition-follower, set in one side of the frame, is brought into line with the traverser, so as to be pushed forward, the other end of the frame outside the box shall be in position to receive another partition-follower, which, in its turn, may be pushed into place, the end first in place moving out on the opposite side. In case the frame should become clogged with dirt, or from any reason inoperative, I have provided just in rear of it an opening, O, Fig. 1, through which the follower may be introduced by hand. The opening is covered by a hinged leaf, which protects it in ordinary use.

The improved followers, (shown at M, in Fig. 3,) are made with grooves on both sides, said grooves being made wide at the bottom in order to prevent the hay from being pressed into them. In one pair of grooves I have shown projections, formed by sheet-metal strips bent to fit the grooves, and made long enough to project on each side. These projections may be on all slots if desired, and corresponding grooves formed on the insides of the press-box to admit their passage. They will thus pass freely through the press-box and will project into the slots in the bale-chamber, where the ties may be inserted into them without difficulty, even though the ends of the partition-follower should be covered by the hay or other material passed around them.

The improved traverser, Fig. 4, is made with leaves, with a pad, K, of rubber or other suitable yielding material, placed between. The leaves have been heretofore shown, and the improvement consists in the spring, which serves to give additional elasticity to the top, and prevent any dirt or seed from accumulating between the leaves.

In the operation of my improved press, the follower is placed securely in its proper position in the frame outside the press-box, and the frame then slipped sidewise of the box into place when the partition-follower is in line with the inner surfaces of the box. The traverser in its forward motion then drives it out of the frame and into place in the box. The other part of the frame is then in position to receive another follower, and so on in succession.

The hay or other material to be pressed is

passed into the press-box A, and forced into the chamber B by the traverser D. The top of the traverser yields to prevent any hay projecting above it to pass over. This operation is continued until the bale is formed within the bale-chamber, when another follower is introduced in the manner described above.

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

1. The sliding frame fitted to receive the followers and guide them into the box, as set forth.

2. In combination with the frames, moving in slots in the box, the supplemental passage covered by the valve, as set forth.

3. The follower M, provided with projections formed of sheet-metal, bent to fit the grooves and inserted, as set forth.

4. The traverser, provided with yielding substance between the leaves.

PETER K. DEDERICK.

Witnesses:

R. J. VAN SCHOONHOVEN,  
W. A. SKINKLE.

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3. The follower M, provided with projections formed of sheet-metal, bent to fit the grooves and inserted, as set forth.

4. The traverser, provided with yielding substance between the leaves.

The first part of my invention consists of an improved device for feeding hay into the chamber of the machine, to be pressed into bales. It comprises a sliding frame fitted to receive the followers and guide them into the box, as set forth.

The second part of my invention consists of an improved device for feeding hay into the chamber of the machine, to be pressed into bales. It comprises a sliding frame fitted to receive the followers and guide them into the box, as set forth.

The third part of my invention consists of an improved device for feeding hay into the chamber of the machine, to be pressed into bales. It comprises a sliding frame fitted to receive the followers and guide them into the box, as set forth.

The fourth part of my invention consists of an improved device for feeding hay into the chamber of the machine, to be pressed into bales. It comprises a sliding frame fitted to receive the followers and guide them into the box, as set forth.

The fifth part of my invention consists of an improved device for feeding hay into the chamber of the machine, to be pressed into bales. It comprises a sliding frame fitted to receive the followers and guide them into the box, as set forth.