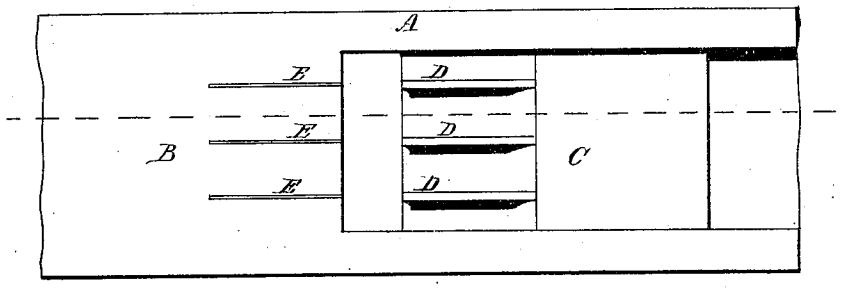
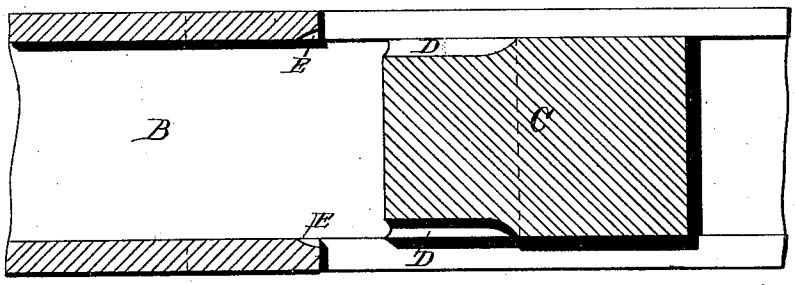
P. K. DEDERICK.

HAY-PRESS

No. 178,514. Patented June 13, 1876.





Witnesses
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UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF ALBANY, NEW YORK.

IMPROVEMENT IN HAY-PRESSES.

Specification forming part of Letters Patent No. **178,514**, dated June 13, 1876; application filed May 9, 1876.

To all whom it may concern:

Be it known that I, P. K. DEDERICK, of Albany, State of New York, have invented Improvements in Hay-Presses, of which the following is a specification:

My invention consists of improvements on that class of baling-presses for which Letters Patent were granted me October 29, 1872, Nos. 132,566 and 132,639, and many of later date, and relates more particularly to the devices for feeding and pressing the hay into the bale-chamber.

In order that the object of my improvements may be fully understood, I will state, as described in Letters Patent referred to, that in pitching the hay in front of the traverser it is impossible to prevent some of it from projecting or bulging outside of its line of traverse; and in all other presses I have provided for this by constructing either the side of the press or traverser to yield, and thus prevent binding; but I now propose to construct the feeding side of the traverser with open spaces, sufficient to receive the hay overlapping the traverser, while the pressing is done by the remaining sections or ribs, and also to provide a guard over each rib to divide or separate the hay over it, and prevent binding on the rib.

The drawings illustrate the side of a press showing the traverser and guards.

A is the top of the press; B, the bale-chamber; C, the traverser; D, the ribs; E, the guards.

The press is represented as open at but one side, and the improvements attached to but one side; but, if desired, they may be applied to all sides.

The traverser C may be constructed in the usual manner and corrugated, or projections may be secured to it, of either iron or wood, so as to form the ribs; or it may be built in sections, and plates of metal passed across it, the plates projecting so as to fill the box, or nearly so, and leave sufficient room between them to receive the hay overlapping the side of the traverser. The forward end or face of these ribs may be constructed square with the face of the traverser, or so as to form a point, as shown. The guards E have a face or receiving edge similar to that of the ribs, and are secured to the side of the press at or near where the traverser passes within the press-box, and should be so set as just to pass the edge of the ribs and divide the hay.

In operation, the hay is pitched in front of the traverser C, and we will suppose a large share of the forkful projects from the press as the traverser enters the chamber; then the pressure would force the hay between the ribs D, and that overlapping the ribs would be divided by the guards E, and eventually forced between the ribs also, and retained in the press, when the traverser is withdrawn by improvements previously patented by me in this class of machines, and hence unnecessary to describe.

Having thus fully described my invention, I claim—

1. The traverser provided with alternate ribs and spaces, for the purpose described.

2. The guards E, in combination with the traverser, provided with ribs or projections D, for the purpose set forth.

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Witnesses:

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