P. K. DEDERICK.
Baling-Press.

No. 206,865. Patented Aug. 13, 1878.

Fig. 1.

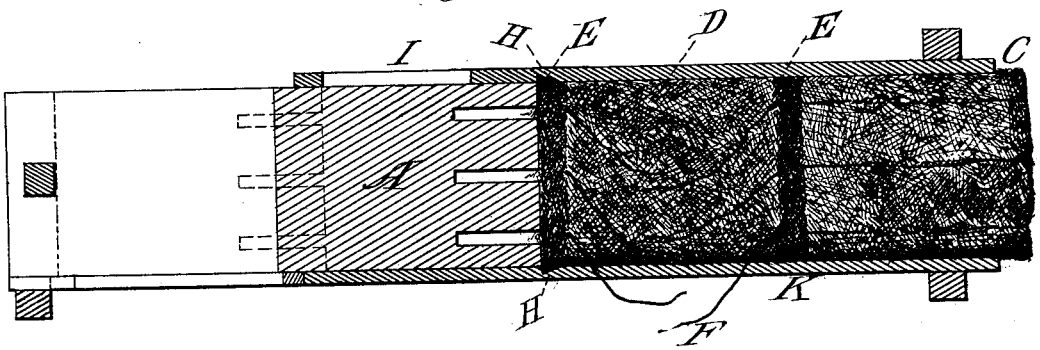


Fig. 3

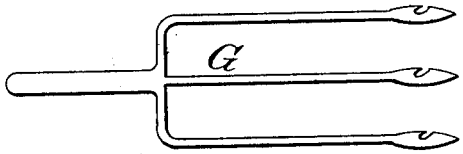
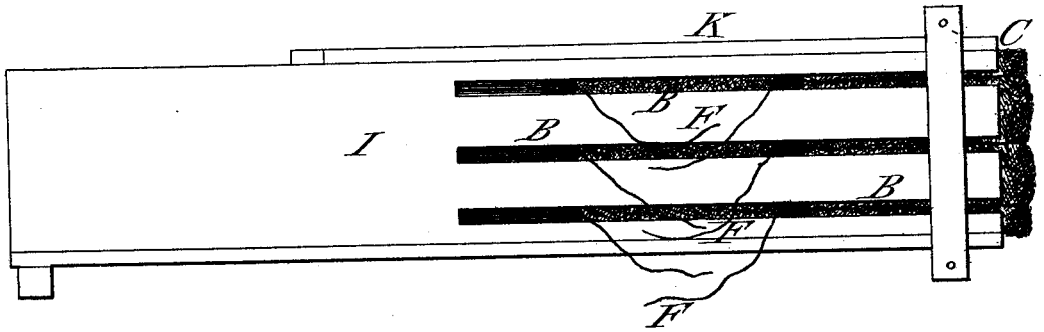


Fig. 2.



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UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF ALBANY, NEW YORK.

IMPROVEMENT IN BALING-PRESSES.

Specification forming part of Letters Patent No. **206,865**, dated August 13, 1878; application filed June 5, 1878.

To all whom it may concern:

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

My invention consists of improvements in that class of presses for which Letters Patent were granted me October 29, 1872, No. 132,566 and No. 132,639, and the various modifications of the same patented by me since that date; and consists, principally, in the manner of passing the bands or ties for securing the bale and separation of the bales.

Figure 1 is a vertical longitudinal section of the pressing-chamber. Fig. 2 represents a side elevation of the same, and Fig. 3 represents the needle for passing the ties or bands.

Similar letters represent similar parts.

A is the traverser; B, the tying-slots, similar slots being on the opposite side of the press; C, the finished bale; D, the forming bale; E, the partition or separation; F, the bale ties or bands; G, the needle for passing the ties. H are shoulders for retaining the hay, and extend entirely around the box. I is the receiving or press box; K, the bale-chamber.

Any suitable power may be applied to the traverser, and the machine may be constructed so as to embody the various modifications and improvements referred to, description of which is unnecessary herein.

It will be observed that the slots B in this case pass back of the retainers or shoulders far enough to admit of passing the ties or bands through the press or receiving box I, and which is done by the needle G, thus passing them all at once — hence no delay or stopping of the machine. As a partition to prevent the ties of the two bales from becoming entanged, a forkful or section of hay may be passed between them, as E. No tying-slots being required, this constitutes an effectual separation, and any other plain separation could be used with similar advantages.

In operation the hay or other loose material is passed into the receiving-chamber I, and, by means of the traverser A, forced into the bale-chamber K. This is continued until the hay is sufficiently compact, when the ties or bands are passed through the slots B, across the receiving-box I, and out of the slots in the opposite side of the chamber. This may be done all at once by the use of the needle G. The operation is now continued until a bale is formed, when the other end of the tie is passed through the press in exactly the same manner and the ends secured together, while the operation is continued in the following manner: A forkful of material is passed in the press in the ordinary way and pressed into the chamber against the completed bale, after which the ties for the next bale are passed in the manner already described, and another bale formed and completed, as described, and being separated from the previous bale by a section of pressed material, as described and shown. The operation is thus continued.

Having thus fully described my invention, I claim, and desire to secure by Letters Patent, as follows:

1. The method herein described of forming and completing bales in a bale-chamber—namely, by pressing and tying off the first bale, inserting a small charge of loose material as a partition, passing one end of the ties for the next succeeding bale, forming said next bale against said ends, and finally passing through the opposite end of the ties and securing the same to the previously-pressed ends, substantially as described.

2. The combination of the bale-tie needle G with the extended slots B in the press-case, substantially as described, for the purpose specified.

3. The bale-tie needle G, in combination with the extended slots B, the press-case, and the slotted traverser A, substantially as described, for the purpose specified.

P. K. DEDERICK.

Witnesses:
W. A. SKINKLE,
A. M. DEDERICK.