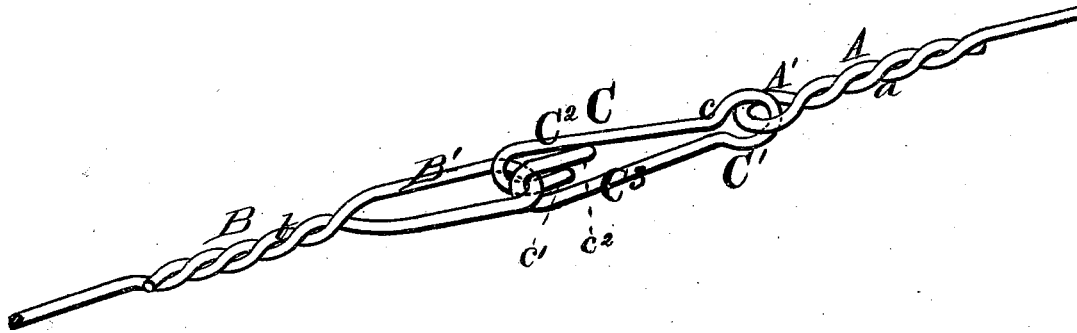


J. TWEEDDALE.

BALE-TIE.

No. 183,234.

Patented Oct. 10, 1876.



WITNESSES

Robert Everett
George C. Upham.

INVENTOR.

John Tweeddale.
Gilman, Smith & Co.

ATTORNEYS

JAMES R. OSGOOD & CO BOSTON.

UNITED STATES PATENT OFFICE.

JOHN TWEEDDALE, OF CASTLETON, NEW YORK.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. 183,234, dated October 10, 1876; application filed September 9, 1876.

To all whom it may concern:

Be it known that I, JOHN TWEEDDALE, of Castleton, in the county of Rensselaer and State of New York, have invented a new and valuable Improvement in Bale-Ties; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a perspective view of my bale-tie.

This invention consists in a bale-tie for hay, cotton, and other compressible materials, said bale-tie being constructed and employed as hereinafter set forth.

In the annexed drawing, A designates one end of an ordinary bale-tie wire, and B the other end of the same. End A is wound backward around itself at *a*, leaving a small loop or eye, A', at its extreme end. B is in like manner wound backward at *b*, so as to leave a loop, B', which is larger than said eye or loop A'.

C designates a double hook or catch, provided at one end with an eye or loop, C¹, nearly closed at neck *c*, and with two obliquely-diverging arms, C² C³, which terminate in hooked extremities *c*¹ *c*², that turn backward and inward in the space between said arms or rods C² C³. This double hook is constructed in such manner that its free ends shall be turned

in opposite directions, as shown in the drawings, thereby lessening the danger of unhooking from sudden jars or accidental compressions, which is liable to occur when the free ends are not thus reversed.

The said tie is fastened as follows: One of the said arms of the said catch or double hook is passed through loop or eye A' on end A until eyes A' and C¹ interlock. Then hooked ends *c*¹ *c*² of arms C² C³ are caught into loop B', and the fastening is complete. Said double hook may be made by bending a rod or piece of wire into the required shape.

The devices shown may be somewhat varied without departing from the spirit of my invention.

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

1. Catch or double hook C, having eye or loop C¹, arms C² C³, and inwardly and backwardly turning hooks *c*¹ *c*², substantially as set forth.

2. The catch-hook C, the free ends of which are turned in opposite directions, in combination with the loops A' B' of the bale-tie wire, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN TWEEDDALE.

Witnesses:

N. N. SEAMAN,
CLARENCE SEAMAN.