W. HILL.
Bale-Tie.

No. 219,724. Patented Sept. 16, 1879.

Fig. 1.

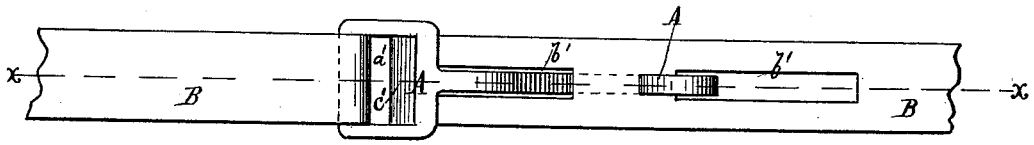
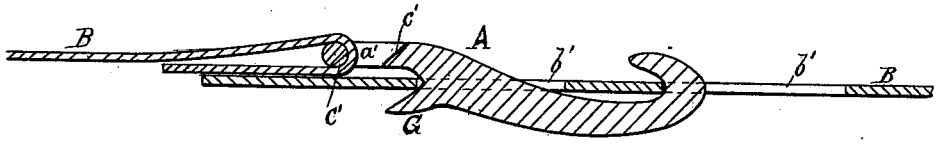


Fig. 2.



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WILLIAM HILL, OF HENDERSON, TEXAS.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **219,724**, dated September 16, 1879; application filed July 25, 1879.

To all whom it may concern:

Be it known that I, WILLIAM HILL, of Henderson, in the county of Rusk and State of Texas, have invented a new and Improved Bale-Tie, of which the following is a specification.

Figure 1 is a plan of the device. Fig. 2 is a sectional elevation of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a simple, strong, durable, and easily adjustable tie for bales of cotton, hay, &c.

The invention consists of a double hook, or a hook having a barb on the back of the shank near the eye, through which one end of the band is looped, while the other end of the band is provided with two slots, in which the hook and barb engage.

In the drawings, A is the hook, the top of which is furnished with a rectangular eye, *a*, with upper and lower sides beveled, as shown at *c'*, through which one end of the band B is passed and turned downward and rearward. G is the barb fashioned on the back of the hook-shank. *b' b'* are the slots made in the other end of the band for the reception of the hook.

The band is secured on a bale by attaching the hook to one end of the band, as shown, and engaging it in the slots in the other end of the band, as seen plainly in Fig. 2, by passing the hook through the outer slot, and then turning it, so that the barb shall engage in the outer slot and the hook in the inner one; and it will be seen that the arrangement of the device is such that the pressure of the compressed bale is upward against the back of the hook, forcing it to hold more securely, as the pressure is greatest, and the upward pressure also makes the loop of the band hold more firmly in the eye of the hook.

In this device the hook hooking both under and on top of the tie equalizes the strain upon it, and hooking in two holes lessens the possibility of the tearing out of the holes, as is frequently the case with the single hook when used upon a heavy bale of cotton. It is easier to fasten or unfasten than the arrow-tie, or any other with which I am acquainted, and it is more durable, because but one end of the band is folded down and not folded so squarely as are others. The eye of the hook is intended to work loosely that it may adjust itself to the most convenient position for securing the band about the bale.

In the case of some ties in which the hooks fasten or hook on top of the band, it is found that a heavy jar of the bale, such as may arise from throwing it down from the top of a wagon, frequently causes them to become unfastened, an accident impossible to occur when this tie is used. The bevels on the eye of the hook give it free play, so that it can be most readily adjusted and engaged in the slots in the opposite end of the band.

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

1. The hook A, provided with a rectangular and beveled eye, *a'*, and barb G, on the back of the shank, in combination with the band B, provided with slots *b' b'*, substantially as herein shown and described.

2. In a bale-tie a double hook, or hook with barb on the rear of its shank, for connecting with one end of a band, and a rectangular and beveled eye for connecting with the other end of the band, substantially as herein shown and described.

3. The band B, having one end looped in the beveled eye of a double hook, and the other end provided with two or more slots for the engagement of the double hook, substantially as herein set forth and described.

WILLIAM HILL.

Witnesses:

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