

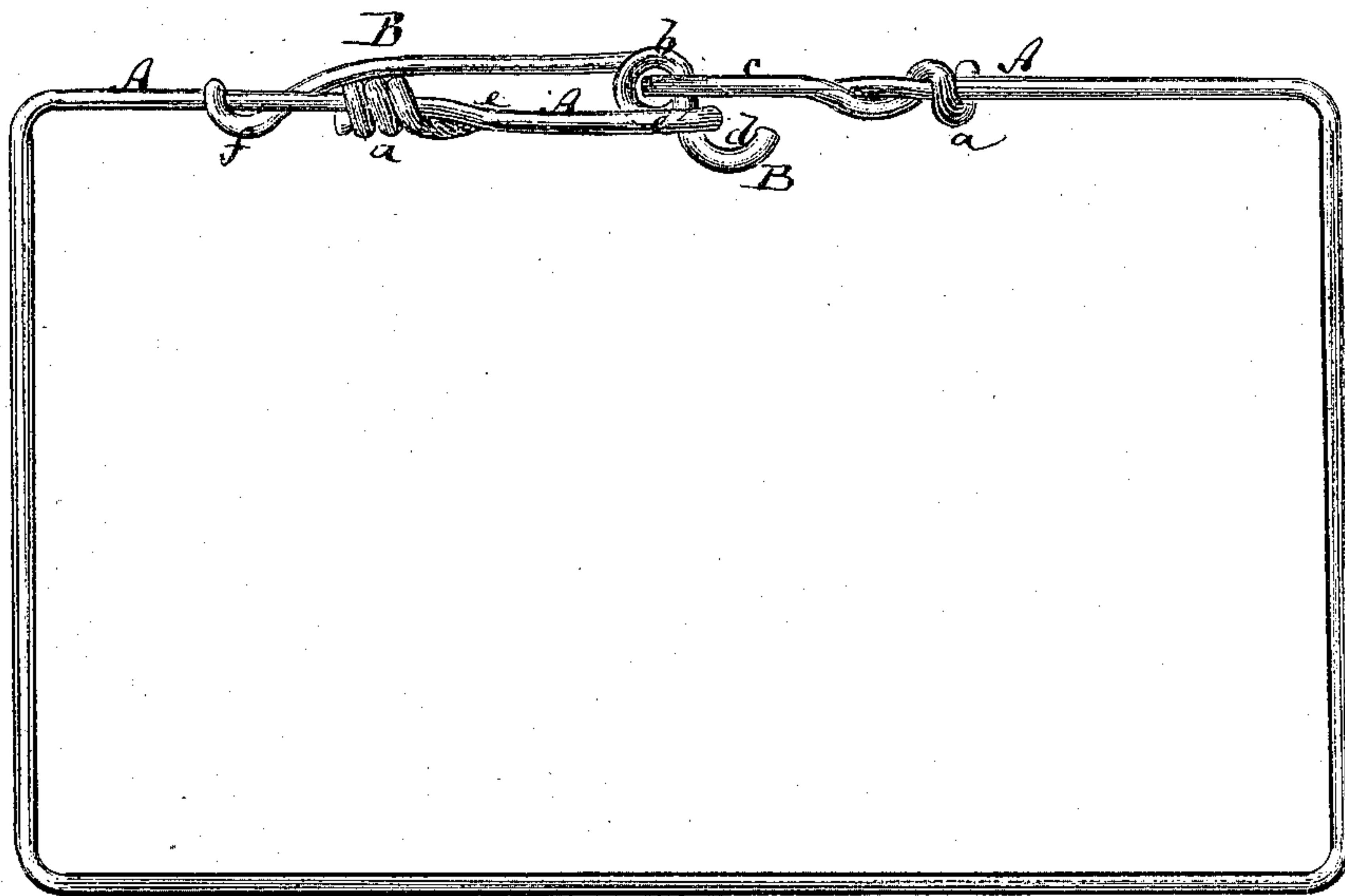
DAVID L. MILLER.

Improvement in Bale Ties.

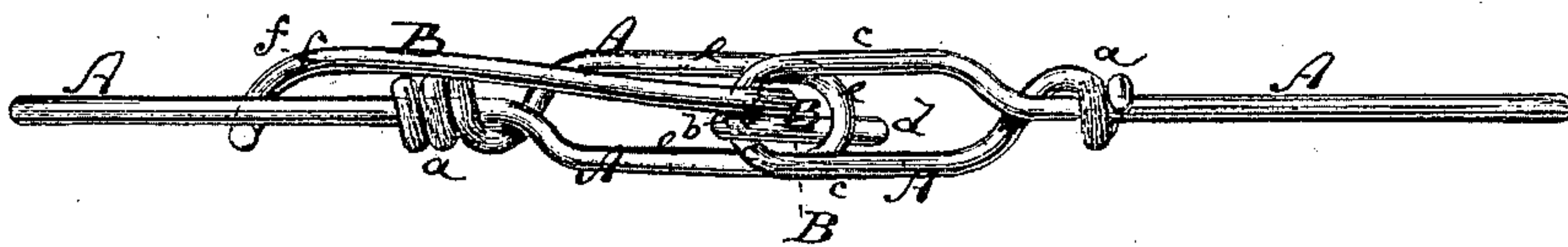
No. 125,474.

Patented April 9, 1872.

*Fig. 1.*



*Fig. 2.*



Witnesses:

John Becker.  
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## UNITED STATES PATENT OFFICE.

DAVID L. MILLER, OF MADISON, NEW JERSEY.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. 125,474, dated April 9, 1872.

Specification describing a new and Improved Bale-Tie, invented by DAVID L. MILLER, of Madison, in the county of Morris and State of New Jersey.

Figure 1 represents a side view of my improved bale-tie. Fig. 2 is a face view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new tie for cotton, straw, hay, and other bales; and consists in applying the fastening-catch, in form of a double hook, to one end of the band or strap that embraces the bale, and in providing loops at the end of the said strap for the reception of the hook.

By this arrangement the band can be quickly and securely closed around the bale. The hook is connected with the strap, and, therefore, not liable to be lost or misplaced, and is always in position for immediate use whenever the strap is placed around the bale. The invention also consists in a peculiar manner of forming the loops at the ends of a wire strap or band by twisting, and in thereby insuring greater strength and durability.

A in the drawing represents the band or strap to be placed around a bale. B is the fastening hook or catch. Both the strap A

and hook B are made of wire sufficiently strong for all practical purposes. At each end of the strap A is formed a loop by a bending of the wire backward and subsequent twisting, as at *a a* in Fig. 2. The hook B is double, and is, by a coil, *b*, fastened around the wire of the loop *c* at one end of A.

When the strap has been applied around a bale the beak *d* of the hook is placed into the other loop, *e*, of A, and the outer beak *f* then brought down upon the bale, and finally hooked under the straight wire of the strap A, in the position clearly shown in the drawing. The hook in this position firmly unites the ends of the strap, and constitutes a reliable tie for holding the bale compressed.

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

In combination with the looped ends of the bale-band A, the overreaching lever B, provided with end hooks *f* and *d* and intervening eye *b*, all constructed and operating in the manner described and shown, and for the purpose set forth.

DAVID L. MILLER.

Witnesses:

GEO. W. MABEE,  
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