

E. FLINN & R. G. WIER.
Bale-Ties.

No. 158,836.

Patented Jan. 19, 1875.

Fig. 1.

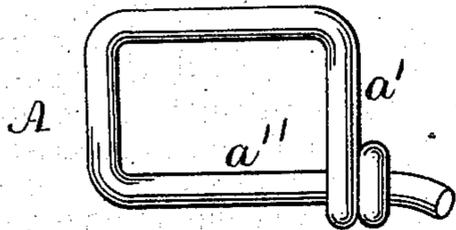
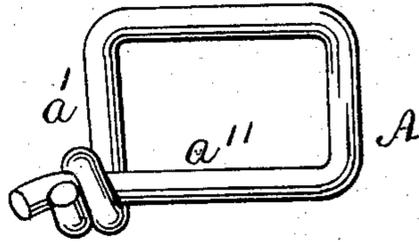


Fig. 2.



Witnesses:
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Edward Flinn,
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UNITED STATES PATENT OFFICE.

EDWARD FLINN AND ROBERT G. WIER, OF MOBILE, ALABAMA.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **158,836**, dated January 19, 1875; application filed December 29, 1874.

To all whom it may concern:

Be it known that we, EDWARD FLINN and ROBERT GALE WIER, of Mobile, in the county of Mobile and State of Alabama, have invented an Improved Wire-Link for Bale-Ties, of which the following is a specification:

The object of our invention is to afford a cheap and reliable wire-link for connecting the two ends of a bale-band.

Our said invention consists of stiff wire bent into a parallelogram, having the two ends of the wire of which it is formed secured permanently together at one of the angles by coiling the one end of the wire tightly or closely around the projecting end of the other, substantially as will hereinafter be described, with reference to the accompanying drawing, in which—

Figure 1 is a plan view of the link completed for application. Fig. 2 is a like view of the opposite side of Fig. 1.

A single piece of stiff wire, A, is first bent into an oblong parallelogrammic form, with the two ends of the wire crossing each other at one corner of the parallelogram, and then the wire which constitutes that narrower end *a'* of the parallelogram is wound closely about two turns around the projecting end of that part of the wire which constitutes that longer side *a''* of the said parallelogram, and finally cut off, substantially as represented in the drawing.

Wire No. 8½ is about the proper size for cotton-bale bands. The object in making the link oblong and winding the end of the wire which constitutes that narrower end of the said link around that part of the wire which constitutes the one longer side, is to prevent the narrower

ends of the link from being used for looping the respective ends of the bale-band (not shown) around them, the said bale-bands being, of course, made of a width corresponding with the longer space of the link. It will, therefore, be seen that the link cannot be misapplied to the band or the band to the link, and that, when properly applied by looping the ends of the said band, respectively, around the longer sides of the link, the connected ends of the wire of the said link cannot be separated by the strain on the band produced by the expansion of the bale on its release from the press, the respective ends of the band being, of course, passed under and along between the band and the bale in the usual manner.

It will also be seen that this link is complete in itself for immediate use, can be applied with facility and expedition, and does not require any bending or alteration whatever in applying it, and, moreover, is inexpensive of structure and reliable for the purpose.

We claim as our invention—

The bale-tie link described, the same consisting of a single piece of stiff wire, A, bent into the form of a parallelogram, and the two ends of the wire secured together at one corner by coiling the projecting end of the wire at the shorter side *a'* of the link around the projecting end of the wire at the longer side *a''* of the same, for the purposes specified.

EDWARD FLINN.
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Witnesses:

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