

S. M. WILSON.
COTTON-BALE TIE.

No. 189,004.

Patented March 27, 1877.

Fig. 1.

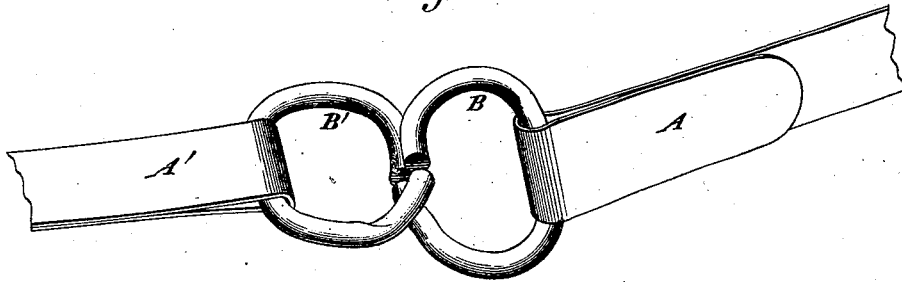


Fig. 2.

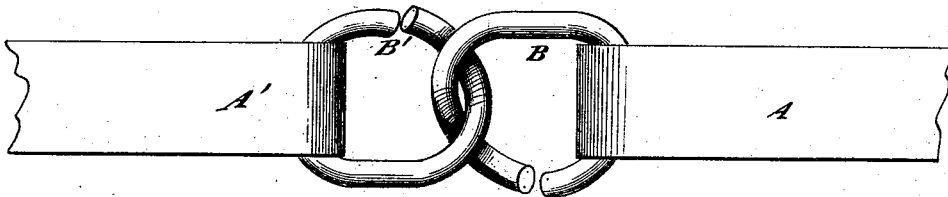


Fig. 3.



Witnesses.
A. Ruppert,
Jno. H. Mason.

S. M. Wilson
Inventor.
D. P. Holloway & Co
Atty.

UNITED STATES PATENT OFFICE.

SMITH M. WILSON, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **189,004**, dated March 27, 1877; application filed March 8, 1877.

To all whom it may concern:

Be it known that I, SMITH M. WILSON, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Cotton-Bale Ties, of which the following is a specification:

This invention consists in the use of two rings, placed respectively in the loops formed in the ends of the metallic band, the rings being cut and so bent that neither ring will pass through the opening in the other, but that when they are brought together, with their ends in juxtaposition, they will pass one within the other, and so form a link not liable to be accidentally separated.

In the annexed drawings, making part of this specification, Figure 1 is a perspective view of the rings as laid together when a link is to be formed. Fig. 2 is an elevation, showing the rings linked together; and Fig. 3 is an elevation, showing the edge of the tie.

The ends of the band A A' are bent to form loops to receive the rings. One end may be riveted and the other free. The rings are made of stiff wire, rigid enough to resist the strain on the tie. They are cut and their ad-

jacent ends slightly bent in opposite directions, but not sufficiently to form an opening as wide as the diameter of the wire forming the rings.

When the rings are brought together, as shown in Fig. 1, both rings lying nearly horizontal, and opposite ends brought face to face, they will slip by one another and form a link. Being then turned partly around, they cannot be separated until brought back to their first position, which can scarcely occur when the strain is on the tie.

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

A cotton-bale tie formed of two rings, B B', cut and bent, substantially as set forth, to admit of their being connected or separated only when the ends are brought into juxtaposition.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SMITH M. WILSON.

Witnesses:

WILLIAM F. ROBB,
JOHN M. ROBB.