

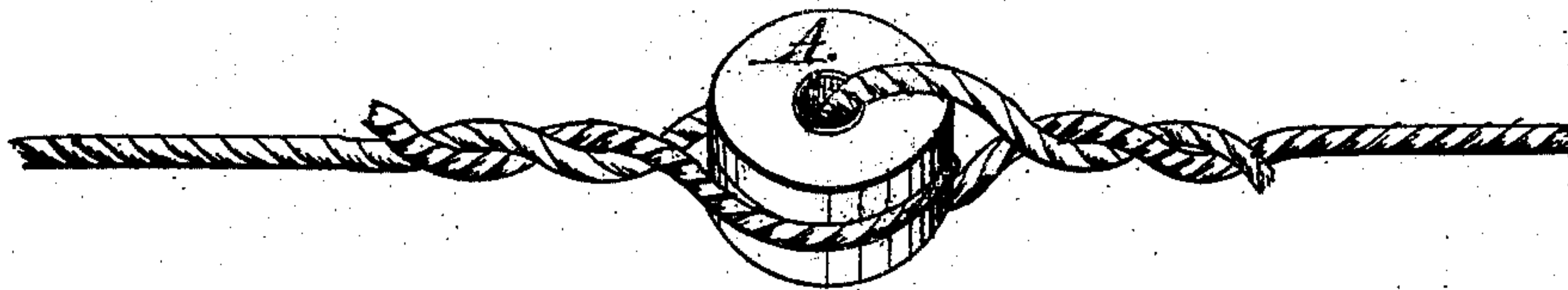
*A. Barbier,*

*Bale Tie.*

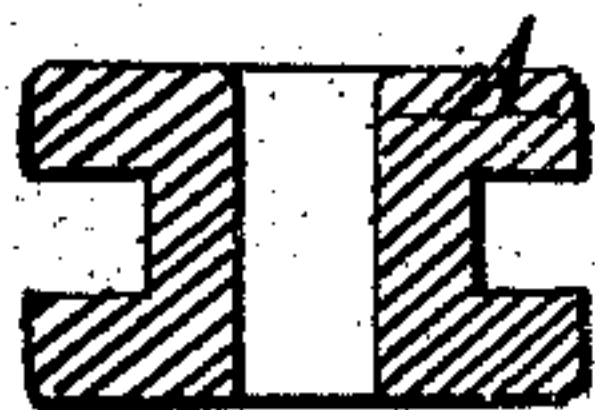
*No. 68,149.*

*Patented Aug. 27, 1867.*

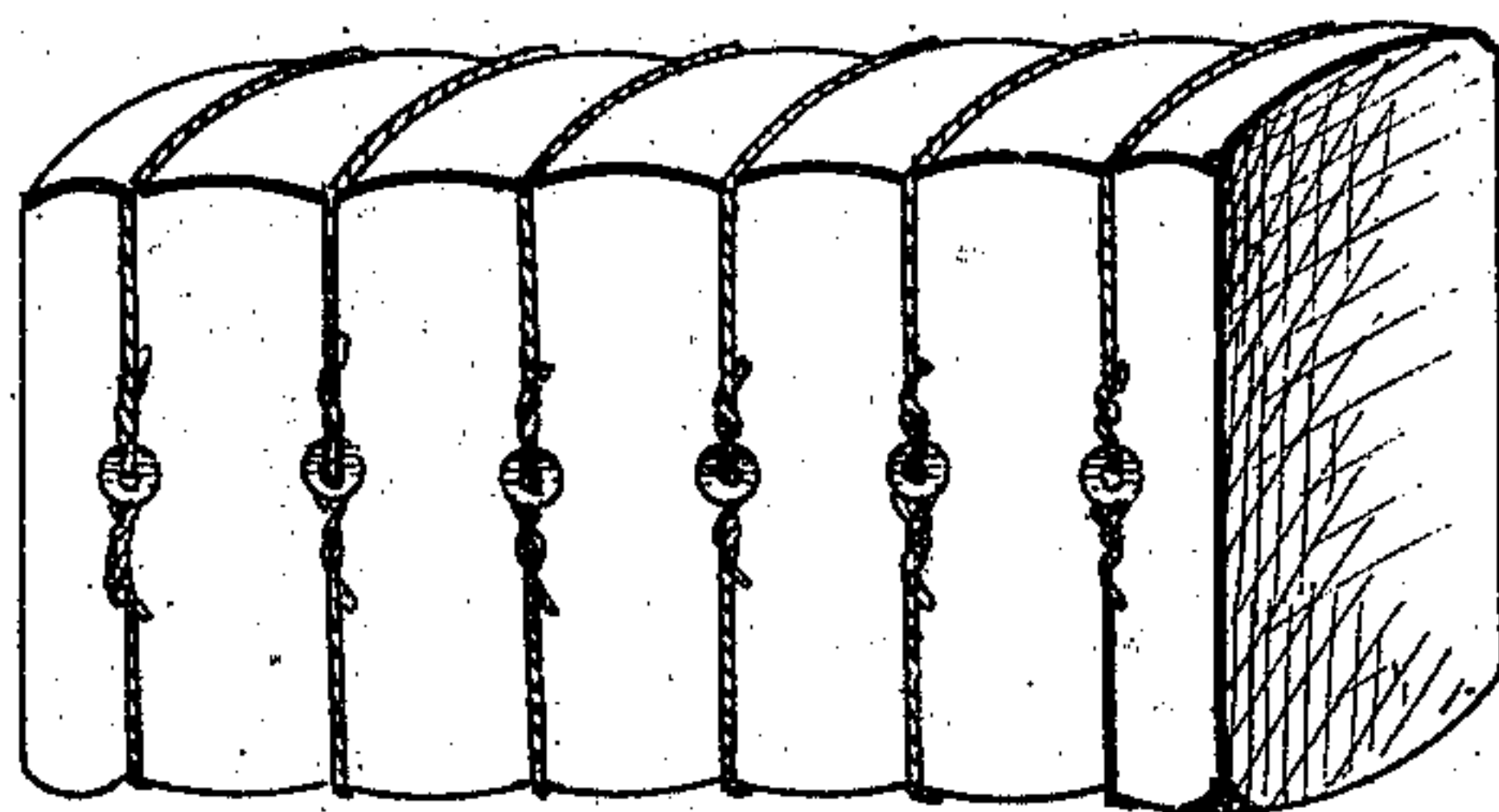
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*

*W. J. Molyneux*  
*W. L. D. D.*

*Inventor:*

*Arthur Barbier*

# United States Patent Office.

ARTHUR BARBARIN, OF NEW ORLEANS, LOUISIANA.

*Letters Patent No. 68,149, dated August 27, 1867.*

## IMPROVEMENT IN BALE-TIE.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, ARTHUR BARBARIN, of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new, useful, and improved Device for Fastening the Ends of Wire Rope when the same is used for banding bales of cotton or other substances; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification.

My invention consists of a strong metallic ring, of about the dimensions shown upon the drawings at figs. 1 and 2, around the periphery of which there is a groove for the reception of the wire rope which it is designed to connect or fasten at the ends. The device is shown at

Figure 1, upon the drawings, in connection with a wire rope that is fastened to it; at

Figure 2 is shown a sectional view of the device; and at

Figure 3 it appears as when in actual use upon a bale of cotton.

In applying the device to practice the process is very simple: The ring is first attached to one end of the wire rope, either by bending the said end around the ring and twisting it tightly into the groove, or by passing it through the ring and securing it in the same way. The wire rope is then made to encircle the bale, and the other end is secured to the device. If the first end has been passed through the ring, the last end must be passed around it, and *vice versa*. The best mode, perhaps, will be to attach the first end of the wire rope by passing it through the ring, because in that case the ring will revolve, and hence, in attaching the last end of the wire rope the slack may more readily be taken up. The inner surface of the ring is rounded in order that a curved support may be provided for that end of the wire rope that passes through the ring. The groove around the external surface of the ring presents, of course, a similar curved support. The result is that neither end of the wire rope is subjected to a short or abrupt bending in being fastened to the ring, and consequently the full normal strength of the wire rope remains unimpaired. If such method should be preferred, both ends of the wire rope may be passed through the ring, and the fastening be thus made, in which case it will be obvious that no annular groove need encircle said ring. The device is marked A upon the drawings at all the figures.

My invention may be made of cast iron, and at small cost, and it is so simple that any laborer, however dull of intellect, will instantly comprehend the mode of its application to use. No possible jar or concussion can ever disconnect it from the wire rope or wire, for it is equally useful in connection with the latter as with the former, and I expressly reserve the right to use it with both.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, as a new article of manufacture, is—

The ring A, when constructed as herein described and shown upon the drawings, and used to fasten the ends of wire rope or wire in banding cotton or other bales, substantially in the manner herein set forth.

ARTHUR BARBARIN.

Witnesses:

WM. J. MOLLYNEAUX,

TH. J. DIX.