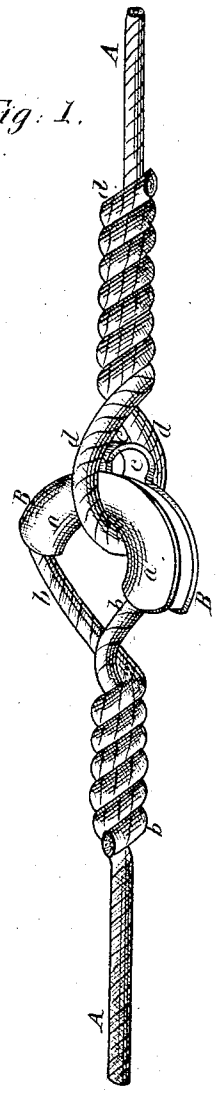
T. Guyol,
Cotton-Balé-Tie.

No. 73,713. Patented Jan. 28. 1868.

Fig. 1.



Witnesses:

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THEODORE GUYOL, OF NEW ORLEANS, LOUISIANA.

Letters Patent No. 73,713, *dated January* 28, 1868.

IMPROVED METALLIC TIE FOR COTTON-BALES.

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, THEODORE GUYOL, of New Orleans, in the parish of Orleans, and State of Louisiana, have invented certain new and useful Improvements in Metallic Ties for Securing Cotton-Bales, which I term the "Saddle-Tie;" and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, and which, at—

Figure 1, represents the manner of making the tie by means of a cast or wrought saddle, with the ends of the encircling wire connected thereto.

My invention consists in the use, in connection with the wires that encircle the bale of cotton, or other baled material, of a metallic saddle for holding the bent ends of said wires, said saddle being light, strong, and cheap, and making a support for the bows or bent ends of the wires, and preventing them from being broken, as they are liable to be when looped or linked one to the other, without any intervening supporting piece.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawing, and the letters of reference thereon.

In applying my invention, I prefer to use copper wire, A, or a rope or cord made of copper wires laid in strands, in the usual way of making wire ropes. But iron wire of suitable gauge, and properly annealed, or wire of other metal may be used, but I prefer the copper wire or rope. The saddle B, I propose to make of cast iron for the sake of economy, though it may be of wrought metal, and struck up in dies or shaped in formers, and it may be made of a single piece or of two pieces, as may be found most convenient or desirable. The main portion, *a*, of the saddle is somewhat in form like that of a section of a flanged ring, the groove in its perimeter being of the size or a little larger than the wire or rope that is to lie in it. At a central part or portion of this main body, *a*, of the saddle, there is a curved or arched piece, *c*, which extends from one flange to the other, and serves as a brace to the saddle, and as a thimble or collar for that end of the wire which passes around it. I have shown this brace or arched piece *c* as permanently connected to the main portion, *a*, of the saddle. It might be made in a separate piece, and serve the same purpose, by being made slightly curved in its transverse direction, so as to receive the bent end of the wire, as it would, if so made, arch over the groove in the main body of the saddle, and prevent that end of the wire that passes around it from being drawn down so close as to break it by the expansion of the bale, or the force used in applying it.

To use and apply this fastening or tie, the end, *b*, of the wire, A, is first passed around the body portion, *a*, of the saddle, and fastened by twisting the end thereof around the hoop or band of wire, or by any other ready and well-known means. The wire is then placed around the bale, and its free end passed within the bow of the saddle, and around the arch, brace, ring, or thimble *c*, and fastened by twisting it around the wire band, as at *d*, or in any other ready and well-known way, which makes a very firm and quite cheap cotton-bale tie.

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

In connection with a copper or other suitable wire, for encircling and fastening bales of cotton or other baled material, a metallic saddle, A, with its brace *c*, constructed and operating to hold the two ends of the wires, substantially as herein described and represented.

THEO. GUYOL.

Witnesses:

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