

J. W. Barnum.  
Cotton-Bale Tie.

N<sup>o</sup> 76144

Patented Mar. 31, 1868.

Fig. 1.

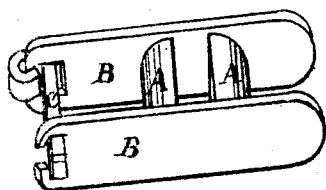
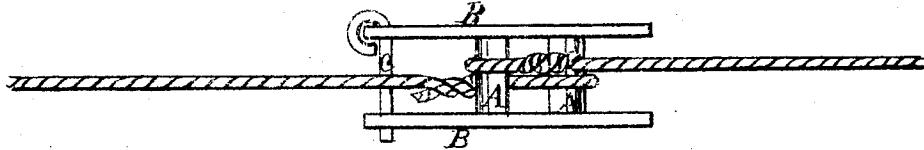


Fig. 2.



Witnesses

A. Gardner

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JAMES W. BARNUM, OF NEW ORLEANS, LOUISIANA.

*Letters Patent No. 76,144, dated March 31, 1868.*

## IMPROVEMENT IN COTTON-BALE TIES.

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, JAMES W. BARNUM, of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful improvement in devices for fastening the ends of wire rope or wire together, when the same is used for banding cotton or other bales; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 is a perspective view of the device when detached from a band, and

Figure 2 a top view of the device as when in use in connection with a band.

The object of my invention is to provide, in the first place, for taking up the slack of a band at the time of putting it around a bale; and, in the second place, to allow of the band being taken off the bale without cutting, and thus to preserve it for further use upon another or several other bales.

My invention consists of two sections or halves of a cylinder, placed a sufficient distance apart to permit of the easy introduction of the ends of the wire rope or wire, as the case may be, between them, and which are held together by two plates at their ends. These plates extend in one direction about an inch and a half, more or less, as is clearly shown on the drawings, and are each perforated with a small hole, through which a key passes to secure the fastening, when all the slack has been taken up.

The half cylinders are marked A A', the plates B B', and the key C.

In the practical application of my device to use, the operation is as follows, to wit: The wire rope or wire that is to form a band, after being cut to a proper length and put around the bale, is connected to the device by simply inserting its ends between the cylinders A A' in reverse or opposite directions, and then the device is turned or rolled over, until the slack of the band is taken up, and some degree of tension is brought to bear upon the band. This being done, the key C is inserted, and the fastening is accomplished. On reaching its destination, or the place at which the bale is to be broken up, the bands are taken off by withdrawing the keys, or by breaking them, without the slightest injury to the bands.

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

The half cylinders A A', when placed in relation to each other, as herein described, and secured in position by the plates B B', when the latter are perforated so as to receive the key C at one of their ends, as herein described, for the purpose set forth.

JAMES W. BARNUM.

Witnesses:

A. BARBARIN,

RUFUS R. RHODES.