

(No Model.)

L. MILLER.
Bale Band Fastening.

No. 235,273.

Patented Dec. 7, 1880.

Fig. 1.

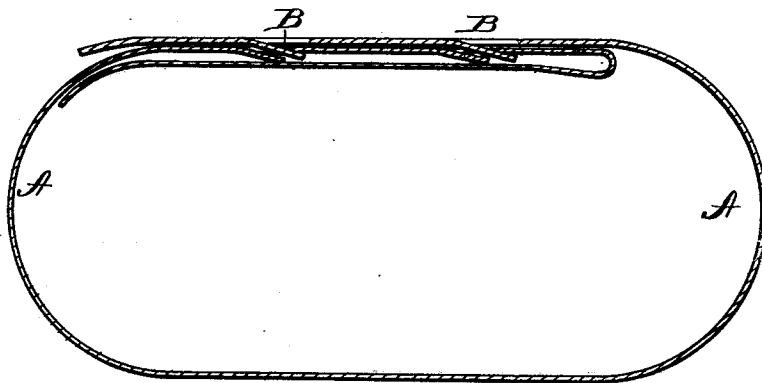


Fig. 2.

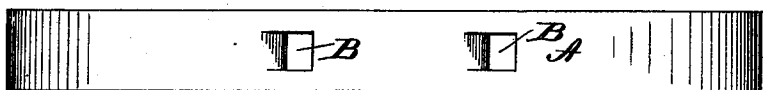
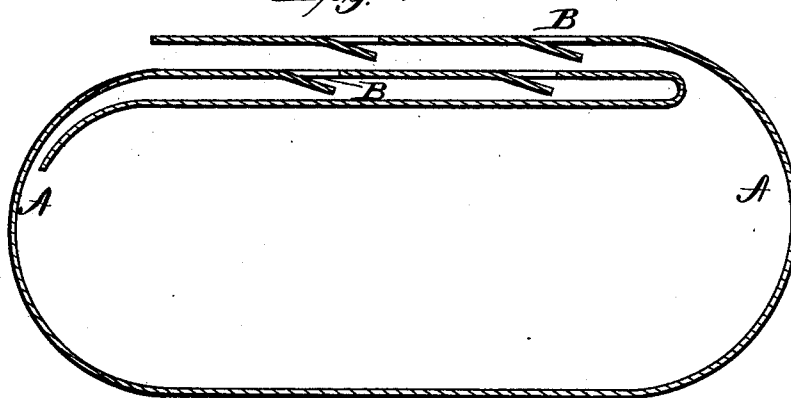


Fig. 3.



Witnesses.
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BALE-BAND FASTENING.

SPECIFICATION forming part of Letters Patent No. 235,273, dated December 7, 1880.

Application filed October 9, 1880. (No model.)

To all whom it may concern:

Be it known that I, LEWIS MILLER, of Philadelphia, in the county of Philadelphia, and in the State of Pennsylvania, have invented certain new and useful Improvements in Bale-Band Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to an improved bale-band for binding cotton and other bales, and to certain improvements in fastening devices for securing the ends of the same together; and it has for its objects to provide a means whereby the fastening devices will be prevented from being forced into the bale in securing the band thereto, and the consequent disarrangement of said fastening devices, and to provide an improved fastening device or series of devices that may be formed after the band is tightened around the bale and in place upon the same, as more fully hereinafter specified. These objects I attain by the devices illustrated in the accompanying drawings, in which—

Figure 1 represents a longitudinal section of a bale-band constructed according to my invention. Fig. 2 represents a top view showing the fastening devices; and Fig. 3 represents a longitudinal sectional view showing the parts separated and the fastening devices in detail.

The letter A indicates the bale-band, which is constructed of a strip of suitable metal. The ends of the said band are adapted to overlap each other, as shown in Figs. 1 and 2 of the drawings. The inner one of the overlapped parts is bent backwardly, so as to extend longitudinally under such lapped part a suitable distance to pass the fastening devices, and, preferably, is curved at its extremity, so as to pass around the corner of the bale, the bend thus formed tending to hold the parts

more securely in place. This bend, however, is not essential, and may be dispensed with without impairing the effectiveness of my device.

The letter B indicates the fastening devices. These consist of a series of tongues stamped or punched out of the body of the metal, and inclining downwardly in the same direction against the strain upon the band when the same is secured around the bale. These tongues are formed by means of suitable dies after the ends of the band are brought together around the bale, and overlapped in such manner that when the dies are withdrawn the tongues of the upper part of the band will be left forced down into the openings formed in the lower part of the band resting upon the inclined tongues in the lower band, the said last-mentioned tongues serving as guides to direct the upper tongues into place when the strain due to the expansion of the cotton in the bale is exerted by slackening the strain upon the bale-band. The return bend on the underlapped portion of the band by the expansive pressure of the cotton will be forced against the fastening devices, pressing the same together, holding them in place against accidental separation, and preventing the tongues from being drawn into the cotton, and the consequent disarrangement of the fastenings.

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

A bale-band provided with lapping ends, and with the return-bend and inclined tongues, adapted to be interlocked and secured, substantially as and for the purposes specified.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of October, 1880.

LEWIS MILLER.

Witnesses:

H. AUBREY TOULMIN,
C. A. NEALE.