W. M. SMITH.

Cotton-Bale Ties.

No. 154,920. Patented Sept. 8, 1874.

Fig 1

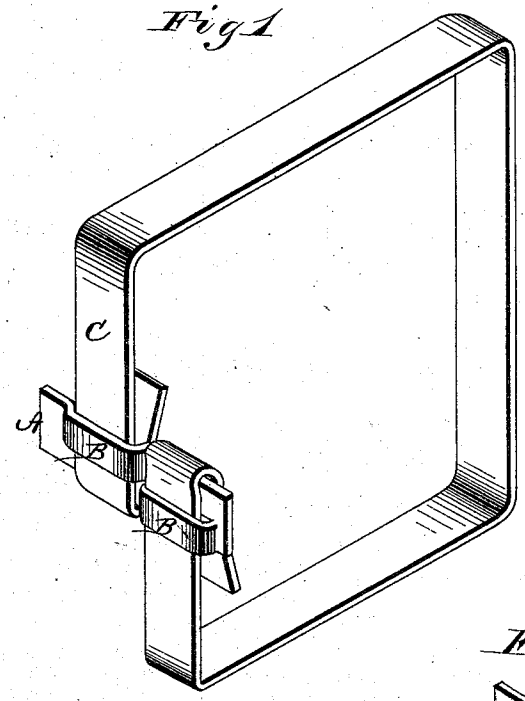


Fig 2

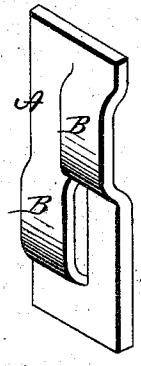
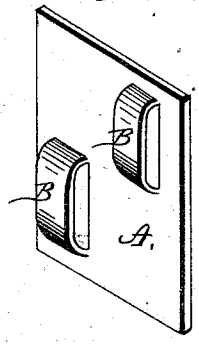


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM M. SMITH, OF AUGUSTA, GEORGIA.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **154,920**, dated September 8, 1874; application filed July 20, 1874.

To all whom it may concern:

Be it known that I, WILLIAM M. SMITH, of Augusta, in the county of Richmond and in the State of Georgia, have invented certain new and useful Improvements in Cotton-Bale Tie; and 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.

The nature of my invention consists in a plate having two loops or bands struck up or otherwise formed on one side, for the passage of the strap-iron that forms the band for cotton-bales, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my bale-tie, showing its application to the iron band. Figs. 2 and 3 are perspective views, showing different forms of my invention.

A represents a metal plate, of square or rectangular form, and of any suitable dimensions to accomplish the object intended and withstand the strain to be put thereon. From the plate A are struck up, pressed, or otherwise formed, two loops or bands, B B. These may be formed either in the edges of the plate, as shown in Figs. 1 and 2, or from the body thereof, as shown in Fig. 3. These loops should be of such length that the strap-iron C can pass through them. The strap-iron C, after being placed around the bale, has its ends passed from opposite directions through the loops B B and bent under opposite edges of the plate, giving an equal strain on both sides thereof.

This tie is simple and durable, can be manufactured very cheaply, and will hold the iron tightly and prevent its slipping. By this combination of tie the ends of the bands are passed through separate openings, which are made of a size to neatly correspond with the size of the band, so that the two ends will not come in contact with each other and have no play one upon the other, as would be the case if the two ends passed through a single opening.

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

The metal plate A, provided with two loops, B B, one above the other, at or near opposite edges of the plate, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of June, 1874.

WILLIAM M. SMITH.

Witnesses:

JAS. L. FLEMING,

T. F. FLEMING.

500 words.