

W. CRONE.
Cotton-Bale Ties.

No. 141,494.

Patented August 5, 1873.

Fig. 1.

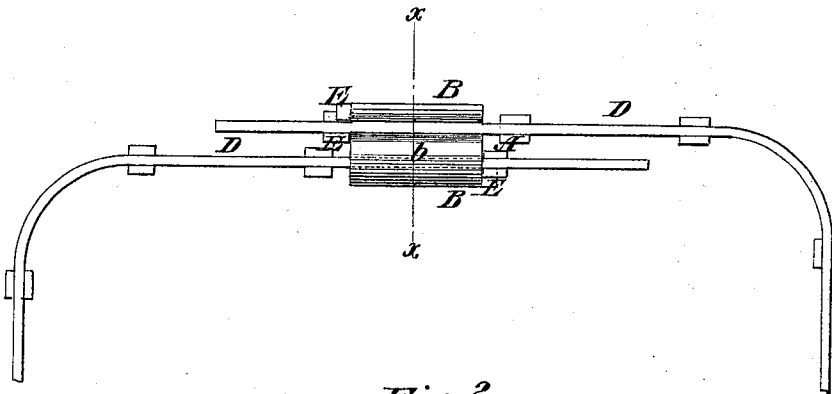


Fig. 2.

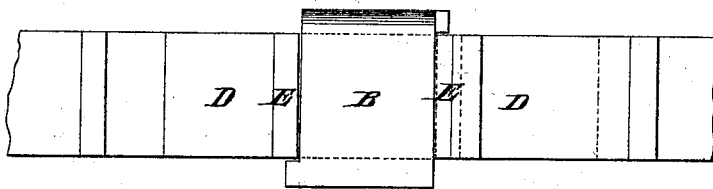


Fig. 3.

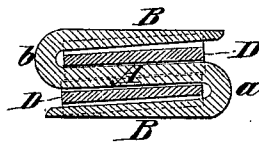
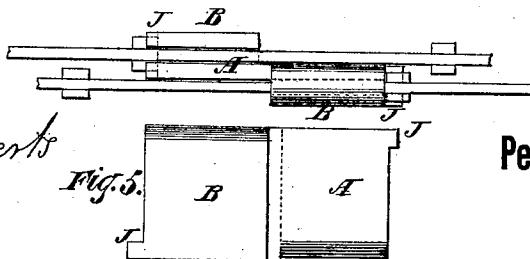


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM CRONE, OF GALVESTON, TEXAS.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **141,494**, dated August 5, 1873; application filed May 24, 1873.

To all whom it may concern:

Be it known that I, WILLIAM CRONE, of Galveston, in the county of Galveston and State of Texas, have invented a new and Improved Cotton-Bale Tie, of which the following is a specification:

My invention consists of a small S-shaped bar for tying the bands and cross-ribs on the bands, both lower and upper sides, at short distances apart near the ends, which are fastened together, which is effected by inserting the band in the notches of the aforesaid bar, one part at one side and one part at the other side, in a very simple manner, which any common or inexperienced hand can readily understand and accomplish, and which can be done without any unnecessary slackness of the band, as with other ties, so that the bale can be tied as small as it is made by the press, which it cannot be when tied by the ordinary fastening.

Figure 1 is a side elevation of my improved bale-tie. Fig. 2 is a plan view. Fig. 3 is a cross-section taken on the line *x x*, Fig. 1. Fig. 4 is a side elevation of my improved tie, showing a modification in the form; and Fig. 5 is a plan view of Fig. 4.

A is a small bar, about an inch wide, and, say, three inches long, more or less, bent reversely at *a b*, so that the end portions B range with the middle portion so as to form

two slots open at one end, and just wide enough to receive the band D, which, when placed around the bale and stretched as close as it can be, has the tie-piece fitted on one part by one slot, and the other part is drawn sidewise into the other slot, and the two parts are held fast by the cross-bars or ribs E, fastened on the band at suitable distances apart.

In Figs. 4 and 5 I have represented the parts B arranged in a middle portion, A, about twice the width of said parts B, which are next to the opposite edges of A, which increases the length and lessens the thickness of the tie, so as to make it more desirable; and in this case I have provided said parts B with a projection, behind which the cleats E are secured firmly against slipping out.

The essential advantages of this tie are, that very little if any loss of compactness in the bale is sustained in applying it, and it can be applied by the most inexperienced hands.

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

The S-shaped bar A B B, and the cross-bars E, combined with the band D in the manner and for the purpose described.

WILLIAM CRONE.

Witnesses:

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