

(No Model.)

J. G. FARLEY.
BALE TIE.

No. 462,942.

Patented Nov. 10, 1891.

Fig. 1.

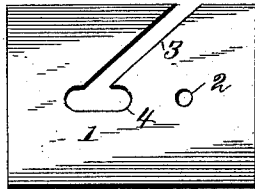
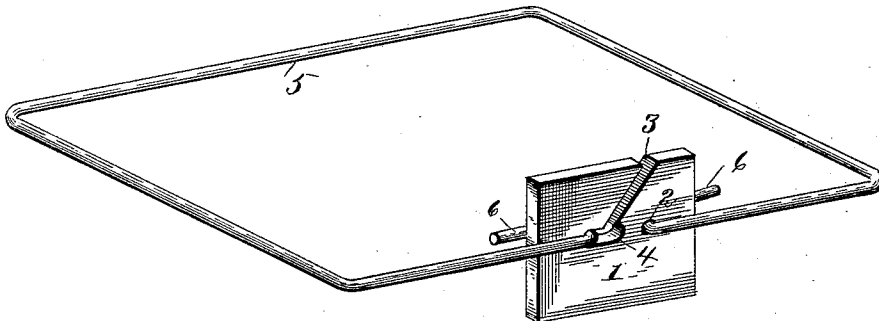


Fig. 2.



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UNITED STATES PATENT OFFICE.

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BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 462,942, dated November 10, 1891.

Application filed April 14, 1891. Serial No. 388,839. (No model.)

To all whom it may concern:

Be it known that I, JOHN GALLAGHER FARLEY, a citizen of the United States, and a resident of Verbena, in the county of Chilton and State of Alabama, have invented certain new and useful Improvements in Bale-Ties; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to cotton-bale ties, the object being to provide a simple and economical device of this description, by means of which the ends of the binding-wires may be readily and efficiently secured without liability of their becoming accidentally displaced, yet at the same time are capable of being easily disengaged when desired.

The invention consists in the novel construction of tie hereinafter fully described, and specifically pointed in the claims.

In the accompanying drawings, Figure 1 is a plan view of a cotton-bale tie constructed in accordance with my invention. Fig. 2 is a similar view of the same, showing the binding-wire secured thereto.

In the said drawings, the reference-numeral 1 designates a metallic plate of rectangular or other suitable shape, and having an aperture 2 for the reception of one end of the binding-wire.

The numeral 3 designates a radial slot extending from a point at or near the center of the plate, diagonally to the rim or periphery thereof, forming a passage for the other end of the wire, which is looped, as hereinafter set forth.

The numeral 4 denotes a horizontal slot in the plate 1 intersecting the inner end of slot 3. The ends of slot 4 extend somewhat beyond the end of slot 3, the whole forming a continuous passage-way or angular opening.

The binding-wire is designated by the numeral 5, both ends of which are bent over, forming loops or hooks 6.

The operation is as follows: The bale being

compressed by any suitable means, the binding-wires are passed around the same and one of the hooked or looped ends inserted in the aperture 2, as seen in Fig. 2. The other hooked end of the wire is then inserted in the diagonal slot 3 and pushed down into the horizontal slot 4. The pressure upon the bale being now released it will expand, causing the said last-mentioned hooked end of the wire to be forced to the end 6 of the horizontal slot 4. By this means the wires will be securely held and prevented from accidental displacement.

If in the course of handling or packing the bales they should become pressed, the ends of the wires on the slot 4 will not become disengaged therefrom and escape through slot 3, but will be forced toward the other end 7 of slot 4, passing by slot 3, as will be obvious. Upon the bale again being expanded the wire will spring back to end 6, as before stated.

The wire can be readily disengaged from the plate, when desired, by forcing it out through slot 3.

Having thus described my invention, what I claim is—

1. A cotton-bale tie consisting of a rectangular or other shaped plate having an aperture therein, a diagonal slot extending from the rim or periphery to or near the center, and a horizontal slot intersecting said diagonal slot, substantially as described.

2. The combination, with a cotton-bale tie consisting of a rectangular or other shaped plate having an aperture therein, a diagonal slot extending from the rim or periphery to near the center, and a horizontal slot intersecting said diagonal slot, of a binding-wire having hooked or looped ends, one end of which passes through the aperture in the plate, while the other engages with said slots, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of three witnesses.

JOHN GALLAGHER FARLEY.

Witnesses:

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