

(No Model.)

F. D. VAN ARSDALE.
FASTENING FOR BALE TIES.

No. 539,103.

Patented May 14, 1895.

Fig. 1.

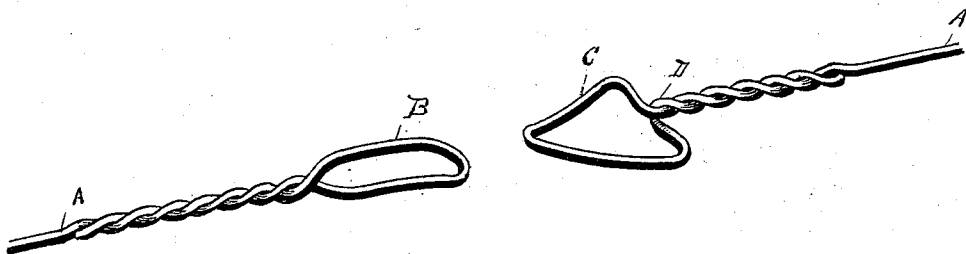


Fig. 2.

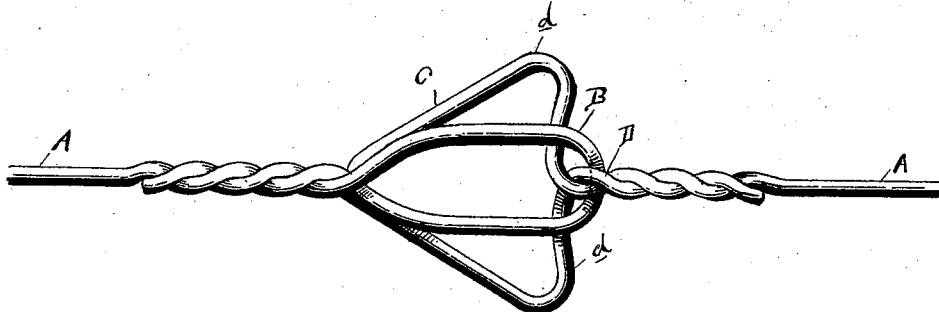
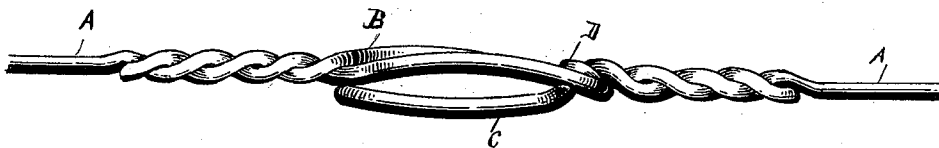


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK D. VAN ARSDALE, OF BELVIDERE, NEW YORK.

FASTENING FOR BALE-TIES.

SPECIFICATION forming part of Letters Patent No. 539,103, dated May 14, 1895.

Application filed December 15, 1894. Serial No. 531,906. (No model.)

To all whom it may concern:

Be it known that I, FRANK D. VAN ARSDALE, a citizen of the United States, residing at Belvidere, in the county of Allegany and State of New York, have invented certain new and useful Improvements in Fastenings for Bale-Ties; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to certain new and useful improvements in the means employed in securing together the ends of bale ties.

The object of the invention is to provide a wire bale-tie which is especially intended for use in connection with that style of presses which are commonly denominated "perpetual presses," in which the followers which separate the bales within the pressing chamber are provided with slots or grooves formed in the outer face of the follower for the reception of the bale tie, and the especial object of my invention is the provision of a tie-fastening formed integral with the tie proper, and so constructed as to permit the tie to be readily threaded through the grooves in the follower, which may be secured with the least possible amount of slack, and when connected will securely hold the ends of the tie together against the possibility of accidental displacement and without presenting points or extensions which protrude beyond the surface of the bale.

The invention has for a further object to generally improve upon the construction, to cheapen and render more serviceable, this class of appliances, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

45 The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a detail view, in perspective, of the ends of a bale-tie with my improved form of tie, the same being shown as detached. 50 Fig. 2 is a like view with the ends shown as attached. Fig. 3 is a side view of the ends secured together.

Reference now being had to the details of the drawings by letter, A designates one end of a wire which has a loop B formed near its end, which is elongated, as shown, and slightly curved longitudinally. 55

C represents a triangular shaped end of the opposing end of the same wire A, and is bent at D, so that the said triangular loop will be disposed in a plane parallel to the wire A, which is provided, so that when the two ends of the wire are locked together, by the triangular portion being thrust through the elongated portion and drawn back slightly, the two angular portions *d* will bear against the end of said elongated loop, and form a sure and durable fastening. 60 65

When the two ends are thus secured together, it will be seen, in Fig. 3, of the drawings, that there will be no opportunity for anything to catch on the ends of the loops, as they lie flat against each other. 70

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is— 75

In combination in a bale tie, an elongated loop B, formed at one end of a wire and slightly curved upwardly, the twisted portions A, the triangled loop formed at the other end of the said wire and slightly concaved, the angles of the triangled loop being in a plane parallel to the upper plane of the twisted portions, and designed to be inserted through the elongated loop to hold the ends in a locking relation, substantially as shown and for the purpose set forth. 80 85

In testimony whereof I affix my signature in presence of two witnesses.

FRANK D. VAN ARSDALE.

Witnesses:

ERNEST R. BARDWELL,
MARY E. WHITCOMB.