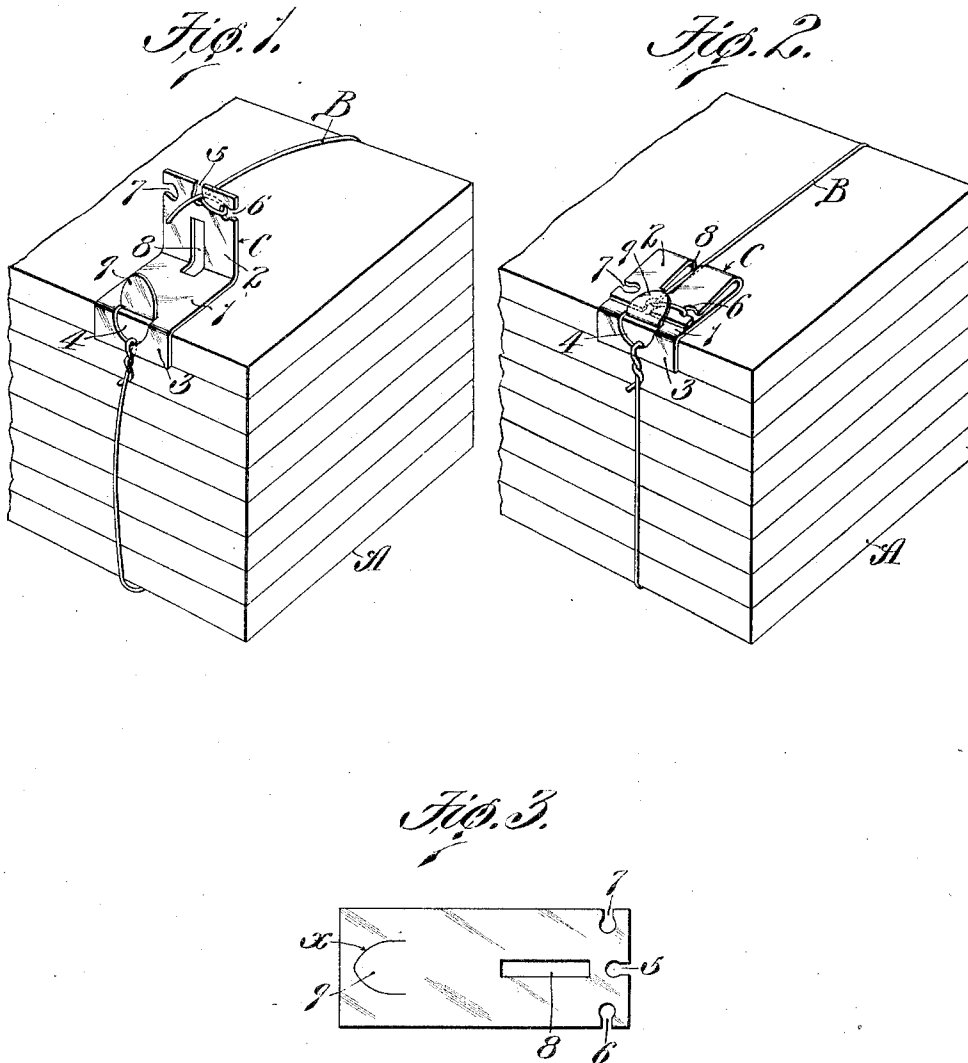


D. W. BARTRAN.
BALING TIE BUCKLE.
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1,009,632.

Patented Nov. 21, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID W. BARTRAN, OF LAKE CHARLES, LOUISIANA.

BALING-TIE BUCKLE.

1,009,632.

Specification of Letters Patent.

Patented Nov. 21, 1911.

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To all whom it may concern:

Be it known that I, DAVID W. BARTRAN, a citizen of the United States, residing at Lake Charles, Louisiana, have invented a certain new and useful Improvement in Baling-Tie Buckles, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to baling tie buckles, and it an improvement on the baling tie buckle described in my prior U. S. Patent No. 948,585, dated February 8, 1910.

The object of my present invention is to provide a baling tie buckle of the type described in my prior patent which comprises means for securely locking the two wings of the buckle together, thereby overcoming the possibility of the buckle straightening out when it is subjected to excessive strains.

Figure 1 of the drawings is a perspective view illustrating my improved buckle arranged in operative position on a bundle prior to the operation of bending it to tighten the wire that extends around the bundle; Fig. 2 is a perspective view showing the buckle after it has been bent; and Fig. 3 is a plan view of the blank from which the buckle is formed.

Referring to the drawings which illustrate the preferred form of my invention, A designates a bundle, and B a strand of wire or other suitable material that extends around the bundle, the opposite ends of said strand being connected to a buckle C which comprises a wing 1 that lies upon one face of the bundle, and a wing 2 that is arranged at approximately right angles to the wing 1, as shown in Fig. 1, the inner ends of said wings being integrally connected together. The wing 1 is provided at its outer edge with a flange 3 that projects downwardly or in an opposite direction to the wing 2 so that it will lap over one edge of the bundle, and a hole 4 is formed in said flange to receive one end of the strand B. The opposite end of said strand is wrapped around the wing 2 which is provided on its upper edge with a notch 5 and on its two side edges with notches 6 and 7 so that the strand B can extend through the notch 5 across the under side of the wing to the notch 6 and thence over the upper face of said wing back to the notch 5 through which it passes, as shown in Fig. 1, so that it will lie under the wing 2 when said wing is bent downwardly. If it

is desired to connect the strand to the other corner of the wing 2 the strand can be passed through the notches 5 and 7. After the opposite ends of the strand have been connected to the buckle in the manner shown in Fig. 1 the vertical wing 2 is bent downwardly or onto the wing 1, as shown in Fig. 2, so as to take up the slack in the strand B and draw it tightly around the bundle, a slot or cut-out portion 8 being formed in the wings 1 and 2 adjacent the point where they are connected together so as to provide a clearance for the strand B and thus permit it to lie close to the bundle when the wing 2 is bent downwardly.

To overcome the possibility of the wing 2 bending upwardly or away from the wing 1, when the buckle is subjected to excessive strains, I have provided means for securely locking the wings 1 and 2 together. Said means preferably consists of an ear 9 on the wing 1 which is adapted to be bent over the edge of the wing 2 after said wing 2 has been bent downwardly to tighten the strand, as shown in Fig. 2. The ear 9 is preferably formed by cutting a slot *a* in the blank from which the buckle is formed and then bending the metal inside of said slot upwardly or at right angles to the portion of the blank which constitutes the wing 1. The slot *a* is located adjacent the end of the blank so that the opening 4, which was produced by bending the ear 9 upwardly, will be in the flange 3, thereby overcoming the necessity of forming a separate opening in said flange for receiving the strand B.

A buckle of the construction above described overcomes the necessity of drawing the strand tightly around the bundle by hand and then connecting it to the buckle because the strand is drawn taut when the wing 2 is bent downwardly, and after said wing has been bent into position and the ear 9 has been bent over same it will be practically impossible for the buckle to straighten out or bend back to its original position because the ear 9 securely locks the wings 1 and 2 together.

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

1. A baling tie buckle consisting of a strip of metal bent to produce two right angularly disposed wings, said buckle being adapted to be arranged upon the bundle in such a manner that one wing lies upon the

bundle and the other projects laterally from the bundle, means on the outwardly projecting wing to which one end of a strand can be connected, and an integral ear on the
5 other wing formed by a pressed-out portion of said wing, said ear being adapted to be bent over the outwardly projecting wing after the strand has been tightened and the opening which was formed by pressing out
10 said wing being adapted for connecting the opposite end of the strand to the wing which lies upon the bundle.

2. A baling tie buckle made from a single piece of sheet metal and comprising a body
15 portion and bendable wings oppositely dis-

posed and foldable toward each other, the body portion and one wing having means for attachment to a bale tie, said last-mentioned wing being foldable directly on the body portion for tightening the bale tie and
20 the second wing adapted to be folded over upon said first-named wing.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 19th day of August 1910.

DAVID W. BARTRAN.

Witnesses:

A. R. MITCHELL,

H. B. EDWARD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
