

No. 778,801.

PATENTED DEC. 27, 1904.

L. B. ROBINSON.
BALE BAND TIE.

APPLICATION FILED JUNE 30, 1904.

Fig. 1.

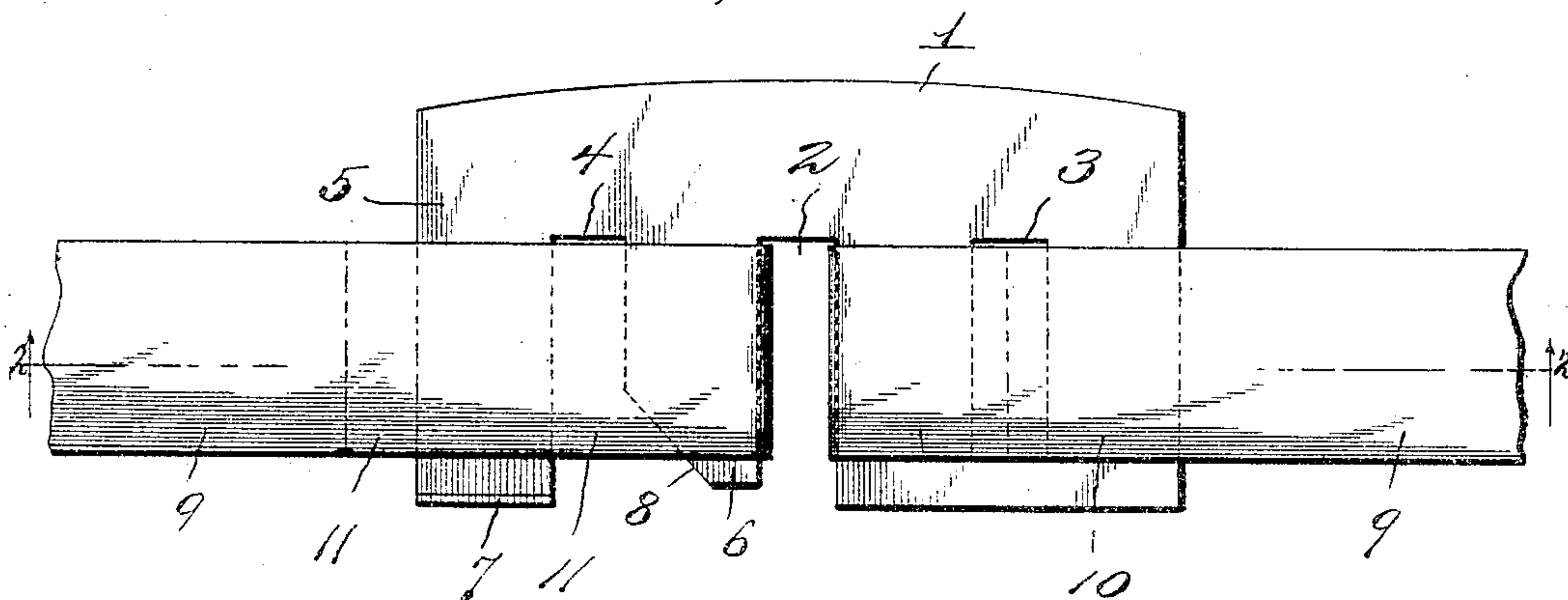


Fig. 2.

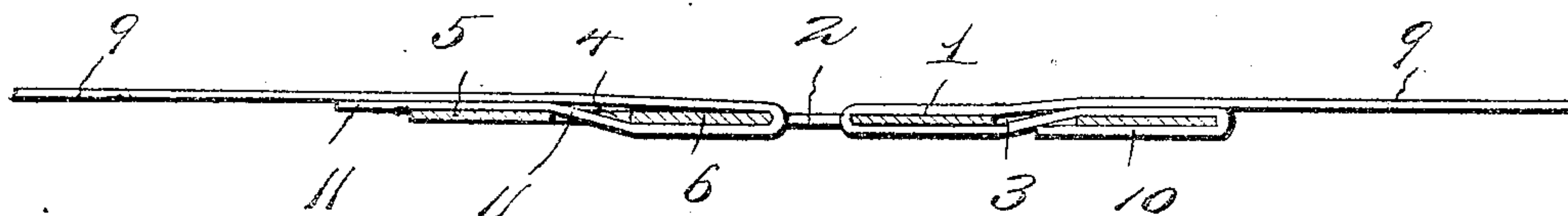
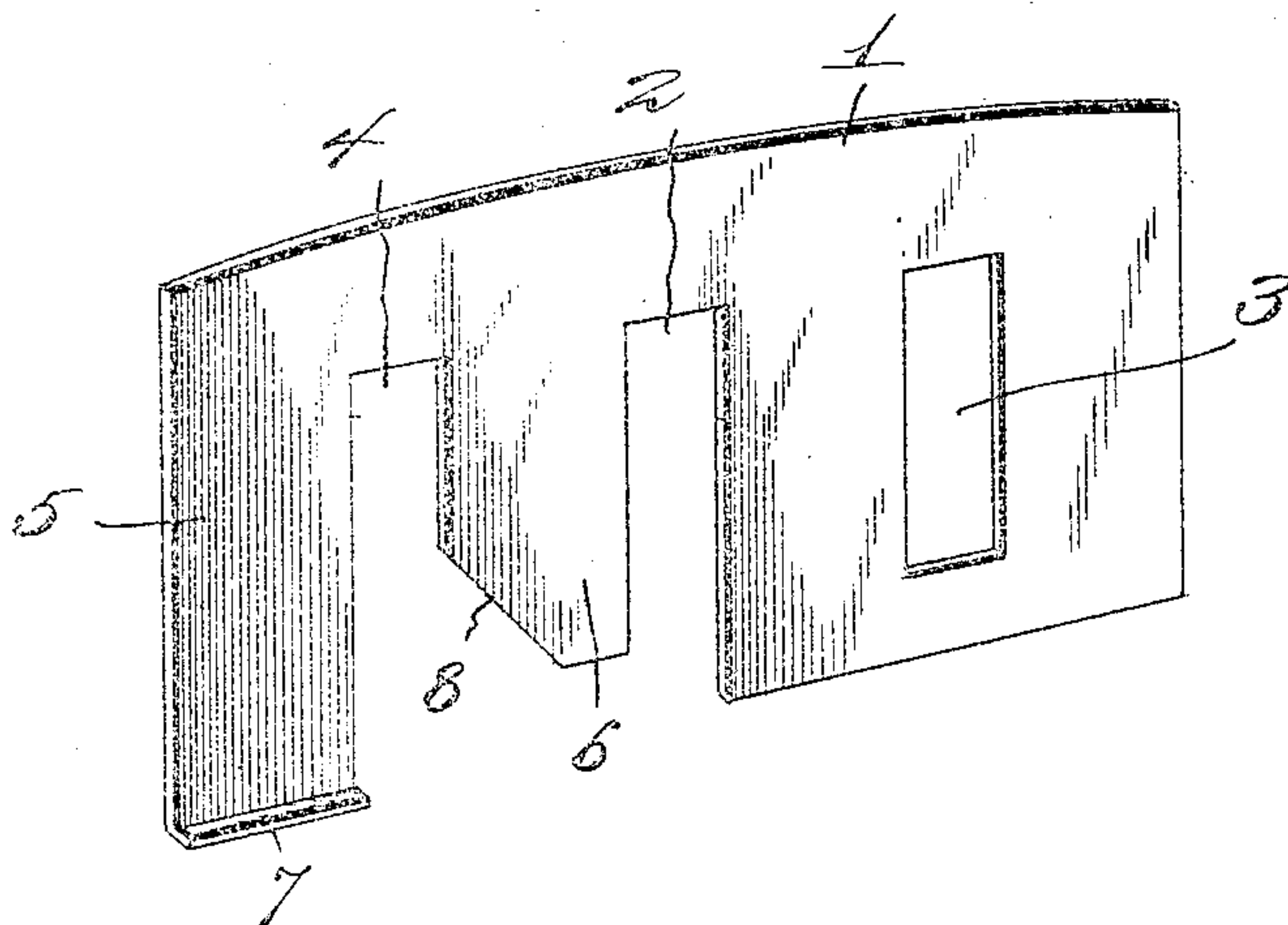


Fig. 3.



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UNITED STATES PATENT OFFICE.

LAURENCE B. ROBINSON, OF COOPER, TEXAS.

BALE-BAND TIE.

SPECIFICATION forming part of Letters Patent No. 778,801, dated December 27, 1904.

Application filed June 30, 1904. Serial No. 214,730.

To all whom it may concern:

Be it known that I, LAURENCE B. ROBINSON, a citizen of the United States, residing at Cooper, in the county of Delta and State of Texas, have invented a new and useful Bale-Band Tie, of which the following is a specification.

This invention relates to bale-band ties, and has for its object to provide an improved form of tie which is especially adapted for flat metallic bands and is arranged for convenient engagement with the opposite ends of a band and is designed to effectually prevent slipping of the band longitudinally and also laterally thereon.

It is furthermore designed to provide for stamping or cutting the tie from a single blank of metal, thereby to produce an inexpensive and at the same time durable and effective device which consists of a single piece and is always in position for application to a bale-band.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a plan view of a bale-tie constructed in accordance with the present invention and having the opposite ends of a bale-band engaged therewith. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a detail perspective view of the bale-tie.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

As hereinbefore indicated, the present tie is struck from a single blank of metal and includes a substantially oblong body 1, which is provided with a central transverse slot 2, intersecting one edge only of the blank, there being a transverse slot 3 formed substantially midway between the slot 2 and one end of the blank and terminating short of the opposite

longitudinal edges thereof, while another slot, 4, is formed between the middle slot and the opposite end of the blank and intersecting the front edges thereof, thereby producing a terminal bar 5 and an intermediate bar 6. The outer end of the terminal bar 5 is bent upwardly to produce a flange 7, while that corner of the bar 6 which is adjacent the end slot 4 is cut away obliquely, as at 8, to produce a beveled terminal upon the bar.

In employing the present tie to connect the opposite ends of a bale-band, which has been indicated at 9 in the drawings, one end portion 10 of the band is passed inwardly through the middle slot 2, thence outwardly through the slot 3, and then bent beneath the adjacent end of the tie, as clearly indicated in Fig. 2 of the drawings. The other end of the band is bent into a loop 11, which is engaged sidewise with the intermediate bar 6, the cut-away portion 8 of the bar forming an enlargement of the slot 4 to facilitate the engagement of the loop with said bar—that is to say, the cut-away portion 8 reduces the width of the outer end of the bar 6 in order that the latter will readily enter into the loop 11 without having its corners hang upon the edges of the loop, as would occur if the bar was the same width throughout its length. In engaging the loop with the bar 6 the entire loop is placed across the top of the terminal bar 5 and at the inner side of the upstanding flange 7, whereby the latter operates to prevent transverse displacement of the loop, while the tension of the bale upon the band tends to separate the opposite ends of the band, and thereby to clamp the same snugly upon the tie.

It will here be noted that the upstanding extremities of the bale-band lie at the inner side of said band, whereby the exterior of the band is entirely free from projections, and the free terminals thereof are clamped between the bale and the band, whereby they are housed against engagement with external objects, and therefore cannot become pried loose from the tie.

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

A bale-tie consisting of a single blank hav-

ing an intermediate transverse slot intersect-
ing the front edge of the blank and transverse
end slots at opposite sides of the intermediate
slot, one of the end slots terminating short of
5 the front and back edges of the blank and the
other end slot intersecting the front of the
blank, that portion of the blank at the outer
side of the open end slot having its front end
portion bent to form a transverse flange and
10 the bar between the two open slots having its

outer end portion cut away obliquely toward
the open end slot to widen the entrance-open-
ing thereof.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 15
the presence of two witnesses.

LAURENCE B. ROBINSON.

Witnesses:

JNO. R. HATCHER,

J. M. B. WILLIAMS.