F. COOK.
Bale-Tie.

No. 200,644. Patented Feb. 26, 1878.

FIG. 1.

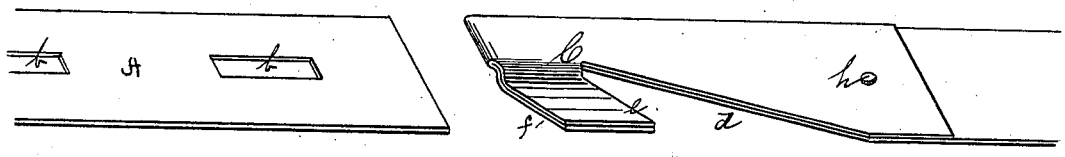


FIG. 2.

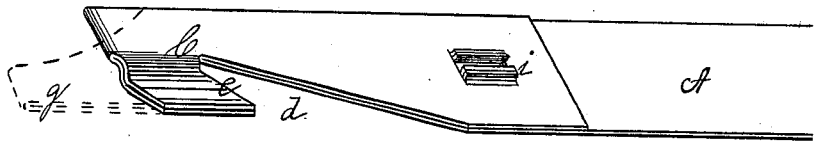
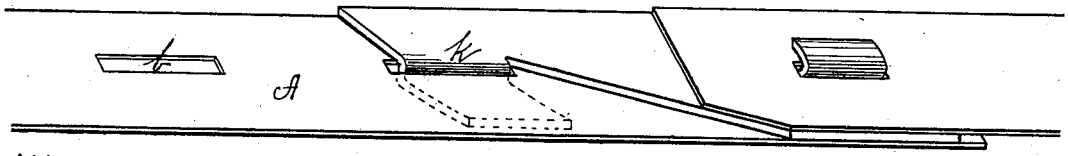


FIG. 3.



WITNESSES.
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UNITED STATES PATENT OFFICE.

FERDINAND COOK, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **200,644**, dated February 26, 1878; application filed April 5, 1877.

To all whom it may concern:

Be it known that I, FERDINAND COOK, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Bale-Ties; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention relates to a new and improved means for fastening together the ends of metallic bands; and it consists in providing one end of a band with a side tongue of peculiar construction for locking in perforations formed in the opposite end of the same band, being an improvement on the patent granted to Arthur Barbarin, March 27, 1877, No. 188,768, of which I am now the owner.

In order that my invention may be fully understood, reference must be had to the accompanying drawings, whereon—

Figure 1 represents the unattached ends of a bale-band provided with my improved locking device. Fig. 2 is a modification of the hook or fastening end of a device, and Fig. 3 represents the two ends of a bale-band as when secured together.

A is a metal bale-band, one end of which is provided with a series of elongated slots, *b*, for the reception of a locking device, C, which is formed at the opposite end of the band, by doubling back a certain portion thereof, and by cutting from one side of this double thickness an angular piece of metal, so as to leave a recess therein, as at *d*, and thus form a backward-inclined hook or bearing, *e*, the length of the base of which should be a little less than the length of the elongated slot in which it is designed to engage.

In order to facilitate the introduction of the hook C into its slotted bearing, the metal at its front end should be cut either as shown at *f*, or as shown in dotted lines at *g* in Fig. 2. If the first plan is adopted, the hooked portion should be pressed outward from the body of the metal, so as to furnish a vertical bearing, and thereby prevent the fastening from becoming accidentally loosened. In the latter plan the aforesaid portion need not be pressed outward from the band, as its forward end *g* will keep it in position.

That end of the band which is folded back may, if desirable, be secured by means of a rivet, as shown at *h;* or a cheaper and equally efficient plan is, by means of a suitable punch and die, to press outward from the two thicknesses of metal certain portions thereof, as at *i'* in Fig. 2.

A hook constructed in the folded end of a band, as described, is deemed sufficiently strong to resist any strain which may be brought to bear upon it by the expansion of the bale which it surrounds; but, if preferred, the hook may be made of a heavier piece of metal, as at *k*, and secured to one end of a band by a rivet, lip, or any other suitable means.

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

A bale-band provided with a hook the engaging part of which is provided with a shoulder, and the extreme end of the hook extended below its juncture with the shank, whereby the hook is prevented from lateral displacement in either direction when the tie is secured to the bale, substantially as set forth.

In testimony whereof I have hereunto set my hand.

FERDINAND COOK.

In presence of—
H. N. JENKINS,
J. C. HUBBELL.