A. BARBARIN.

BALE-TIE.

No. 188,768. Patented March 27, 1877.

FIG. 1.

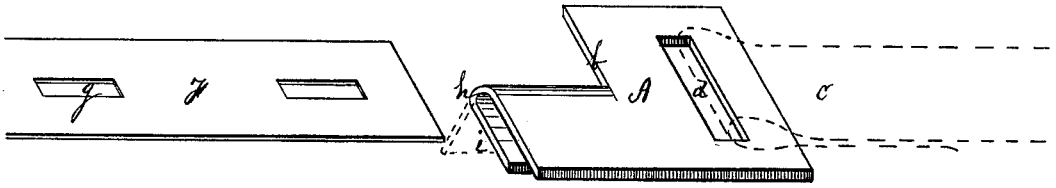


FIG. 2.

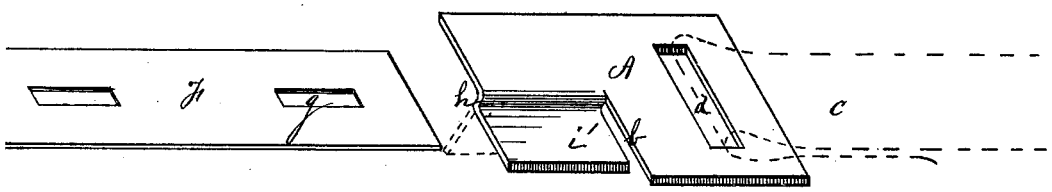
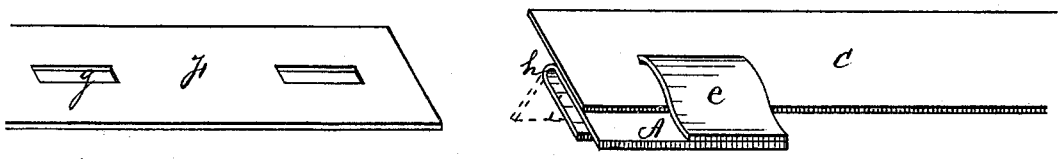


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ARTHUR BARBARIN, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **188,768**, dated March 27, 1877; application filed September 11, 1876.

To all whom it may concern:

Be it known that I, ARTHUR BARBARIN, of New Orleans, in the parish of Orleans and State of Louisiana, have invented an Improvement in Bale-Ties, of which the following is a specification:

My invention relates to the production of an improved tie-plate or buckle for rapidly and effectively locking together the ends of metallic bale-bands. It consists in so cutting and pressing a portion of a flat rectangular plate of iron or other suitable material, as to form a vertical bearing with a side tongue, the latter for the double purpose of facilitating the introduction of the said bearing into the slotted end of a bale-band, and for preventing its becoming loosened therefrom, except by design.

In order that my invention may be fully understood, attention is called to the annexed drawing, in which—

Figure 1 represents my tie-plate provided with a slot, in which to secure, in the ordinary manner, one end of a bale-band, as shown in dotted lines. The tongue of the vertical bearing is folded or bent back under the plate so as to engage by a side movement in one of a series of perforations, which are constructed in the opposite end of the said band.

Fig. 2 differs from Fig. 1 in this, that the side tongue projects horizontally from that portion of the plate with which the bearing is connected.

In Fig. 3 my tie-plate is represented as being permanently secured to one end of a band by a projecting portion, which is passed through a perforation in the said band, and folded back over the same.

My improved tie-plate A is designed to be constructed from a flat rectangular piece of metal, by cutting through at one side thereof a narrow slit, *b*, say to a depth of about one-half the width of the plate, so as to admit of the metal on either or both sides of the said slit being pressed outward from the surface of the plate to form bearings for the opposite ends of a bale band.

I propose permanently securing my tie-plate A to one end of a band, C, either by constructing in the said plate an elongated slot, *d*, in which to loop the aforesaid band, as at Figs. 1 and 2, or by punching a slot in the band near the end thereof, and slipping the same over that portion E of the plate which projects from the base of the slit, the said projecting portion to be afterward pressed back over the band and plate, as clearly shown at Fig. 3.

The opposite or free end of the band F is provided with a series of perforations, *g*, either of which may be engaged by the locking device which is constructed on the opposite end of the tie-plate to that above described, by pressing outward to about a right angle therefrom that portion of the metal which projects from the base of the slit *b*, so as to form a vertical bearing, *h*, the lower end of which is next bent, either to the right or left, as shown at *i i'*, for the purpose above specified.

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

The tie-plate A, provided with a vertical bearing, *h*, and side tongue, *i*, for engaging by a side movement in the perforated end of a bale-band, as described, and for the purpose set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

ARTHUR BARBARIN.

Witnesses:

ARTHUR DI ARMAS,

CHAS. F. BARRY.