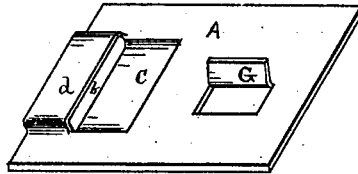


A. BARBARIN.  
Bale-Tie.

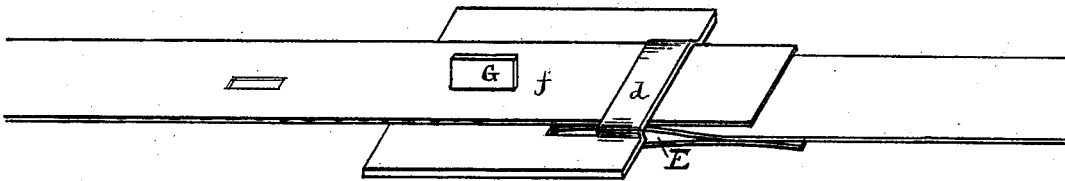
No. 210,288.

Patented Nov. 26, 1878.

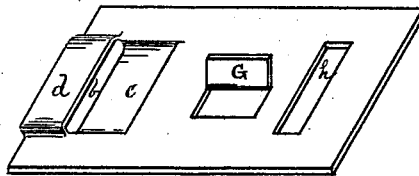
== FIG. 1. ==



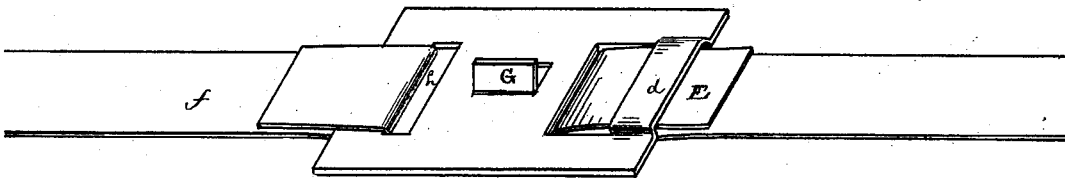
== FIG. 2 ==



== FIG. 3. ==



== FIG. 4. ==



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. **210,288**, dated November 26, 1878; application filed June 20, 1878.

*To all whom it may concern:*

Be it known that I, ARTHUR BARBARIN, 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 drawing, making a part of this specification.

The object of my invention is to produce a simple and effective device by means of which the ends of iron bands may be rapidly locked together with unerring certainty and without fear of accidental disengagement.

On the drawing, Figure 1 represents a perspective view of my improved tie-plate, and Fig. 3 a modification of the same. Figs. 2 and 4 represent the manner in which the band ends are connected therewith.

A is a metallic plate, in which a band-guide, *b*, and straps *c* and *d* are produced by punching or pressing the same, so as to project, as shown.

To operate my device, one end of a band, *e*, is permanently fastened to the same by looping the said end around the bearing *e*, in the usual way, while the free end *f*, on being inserted from the opposite side within the guide *b* and pushed forward, easily glides over the surface of the permanently-secured end *e* until the slack of the band has been taken in, or until the point at which the locking may be desired has been attained. Then the flange or tongue *g* is allowed to enter one of a series of perforations in the end *f*, and on letting go the band the locking of the

same is immediately effected, without fear of disengagement, by the spring-like pressure exerted by the bearing *d* on the said end *f*, owing to the greater height of the tongue *g*, compared with that of the guide *b*.

That this device may answer as well for compressing, an additional slot, *h*, may be cut into the plate A, on the opposite end thereof, as shown at Figs. 2 and 4, for the purpose of looping and thus securing the free end of an imperforated band, in the usual way; or, instead of making an extra slot, the band ends may be secured by simply reversing the plate, so as to bring the tongue *g* toward the bale, and by securing the said ends to the bearing *c* and *d*, in the usual manner.

I am aware that it is not broadly new to make a fastening-plate for bale-ties with upper and lower bearings for confining and guiding the ends of the tie, and with a tongue for entering slots in the same; but

What I claim as new, and desire to protect by Letters Patent, is—

As an article of manufacture, a sheet-metal fastening-plate for bale-ties, having a tongue, upper strap, and lower strap struck up, as described, so that said straps may grasp the ends of the tie or band with a spring-like pressure.

In testimony whereof I have hereunto signed my name.

ARTHUR BARBARIN.

In presence of—

N. O. HYNSON,  
BENJ. J. SIMMS.