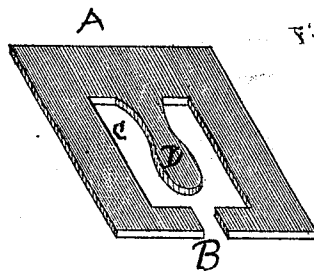
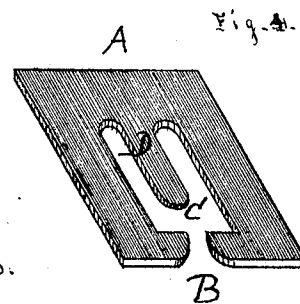
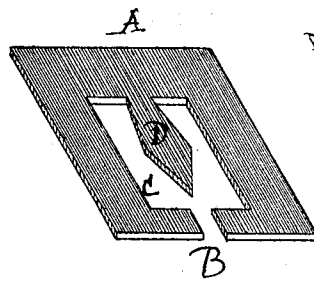
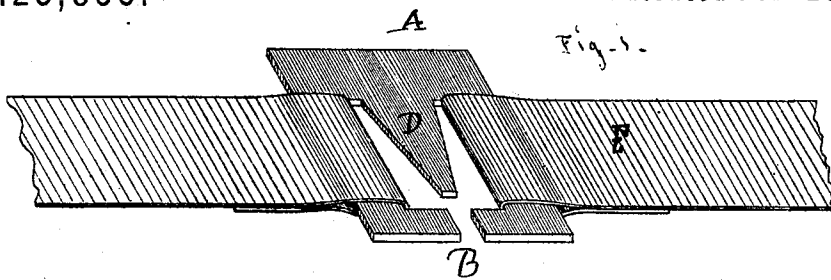


G. W. ADAMS.

Improvement in Cotton Bale Ties.

No. 123,853.

Patented Feb. 20, 1872.



Witnesses-

John Jones
William Wilkens

Inventor-

Gayetano W. Adams

UNITED STATES PATENT OFFICE.

GAYETANO W. ADAMS, OF NEW ORLEANS, LOUISIANA, ASSIGNOR TO GEORGE P. CRANE, OF SAME PLACE.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. 123,853, dated February 20, 1872.

I, GAYETANO W. ADAMS, of the city of New 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 exact description of the same, reference being had to the annexed drawing making a part of this specification, on which—

Figures 1, 2, 3, and 4 are perspective views of the different forms or configurations of my bale-tie as when complete and ready for use.

My object is to provide, in a simple and as cheap a manner as possible, a buckle-tie which shall possess all the strength that is requisite to sustain the utmost tension or strain to which it may be subjected on a bale of cotton, no matter to what extent it may have been compressed, and at the same time be provided with an opening or narrow cleft of sufficient width, however, to admit the bands separately into their appropriate slots in the buckle after they have been folded into hook-form, or to receive them otherwise, as convenience may require, to secure the taking up of all the slack of each of the bands on a bale of cotton while the same may be subjected to pressure, and as a consequence of this secure uniformity of length as to all of the bands, and thereby give to the bale symmetrical proportions and regularity of form after it is taken from the compressing-machine.

My buckle or bale-tie fulfills all these conditions, and accomplishes the results sought to be attained in a cheaper, more effectual, and more perfect manner than any buckles of this class hitherto devised.

My buckle is, like many buckles of this class, of regular rectangular form, of uniform thickness, and plain smooth surfaces; and similar also to others as to its exterior outline; but it differs, as I believe, from any hitherto devised in the peculiar form of the interior slots, thus rendered peculiar by reason of the configuration of the projecting tongue. In this respect consists its novelty and distinguishing features, as will be readily seen by comparison. The interior opening or slot, to which reference has been made, is of such form as to give the whole device, when the bands are placed therein, an almost unbroken surface of metal, the tongue or projecting interior portion of the buckle serving the purpose of guide to the band and filling the space between the ends of the band after the same is placed therein, and also pre-

vents the ends of the bands from coming together or from slipping from the buckle through the cleft under all circumstances; but my invention will be better understood by referring to the drawing, on which—

A represents the plate or buckle complete; B, the lateral cleft, through which the bands are introduced into the slot edgewise after the proper length has been ascertained; and the said ends are bent or folded down so as to form an oblate hook, as shown on Fig. 1. C represents the slot to which I have referred as being novel and peculiar in its outline or shape. D shows that part of the plate or buckle, which may be called the tongue, apex, or point, which reaches just near enough to the lateral cleft B to admit freely the introduction of the bands into their respective places in the buckle. These bands are represented on the drawing by the letter E, and are of the usual kind in common use for baling cotton, hemp, wool, &c. It will be perceived that I represent the tongue D in various forms, and the solid portions of the buckle are of sufficient width and thickness of metal to sustain all the strain to which it might be subjected under all circumstances or ordinary handling of bales of cotton or other materials for which the buckle might be used. The peculiar form of the slot C admits of the buckle being turned to any angle necessary freely to allow of the band being inserted into and through the cleft, and when once it has assumed the horizontal position, and been subjected to strain, this peculiarity of form, by reason of the central curved and pointed interior projection or tongue, prevents the band, by scarcely any probability, from slipping from the buckle.

Having thus fully described my invention, what I claim therein as new, and desire to secure by Letters Patent of the United States, is—

The bale-tie A, herein described, having the slots C C, tongue D, and cleft B, constructed and arranged substantially as shown, and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GAYETANO WM. ADAMS.

Witnesses:

H. N. JENKINS,
JOHN JONES.