

A. J. NELLIS.
Cotton-Bale Ties.

No. 149,144.

Patented March 31, 1874.

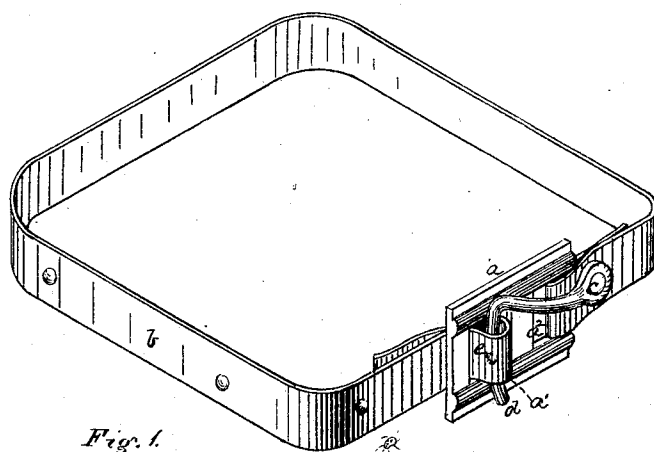


Fig. 1.

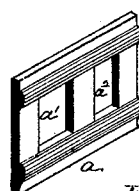


Fig. 2.

Witnesses { *James E. Kay*
Fred. Standish

Inventor *Aaron J. Nellis*
by *Barwell, Smith & Co.*
his attys

UNITED STATES PATENT OFFICE.

AARON J. NELLIS, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **149,141**, dated March 31, 1874; application filed November 17, 1873.

To all whom it may concern:

Be it known that I, AARON J. NELLIS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Bale-Tie; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective view of my improved bale-tie, illustrating the method of applying and using the same. Fig. 2 is a view of the buckle.

To enable others skilled in the art to make and use my improvement, I will describe its construction and manner of use.

I make a solid buckle, *a*, having two openings or slots, *a*¹ and *a*². I pass the end of the strap *b* through the slot *a*², and fold it back and secure it to the strap by means of a rivet, *c*. On the rivet *c* I attach the hook *d*, which extends across the slot *a*¹. The strap *b* is bent around the bale, in the usual way, and a loop, *e*, is formed at its other end. This loop is pressed through the slot *a*¹, and the hook passed through it, as shown. I have then a perfect tie, simple in its construction, and easy

of application and use. The friction against the end of the tie-opening *a*¹ and upon the hook *d* is so great that it is impossible to pull the strap out of the tie-opening *a*¹.

Instead of two openings *a*¹ and *a*² in the buckle *a*, the opening *a*¹ may be made a little wider, and the rear end of the strap secured in it instead of in the opening *a*².

The hook being attached to the strap, as shown, or to the buckle itself, in any convenient way, is not liable to become lost.

The strap *b* may be looped, as at *e*, at any desired point, so that when the bale is compressed it may be taken up to suit the reduced size of the bale.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the bale-band, having one end looped and the hook *C* riveted thereto, with the closed buckle *a*, substantially as specified.

In testimony whereof I, the said AARON J. NELLIS, have hereunto set my hand.

AARON J. NELLIS.

Witnesses:

T. B. KERR,
JAMES I. KAY.