

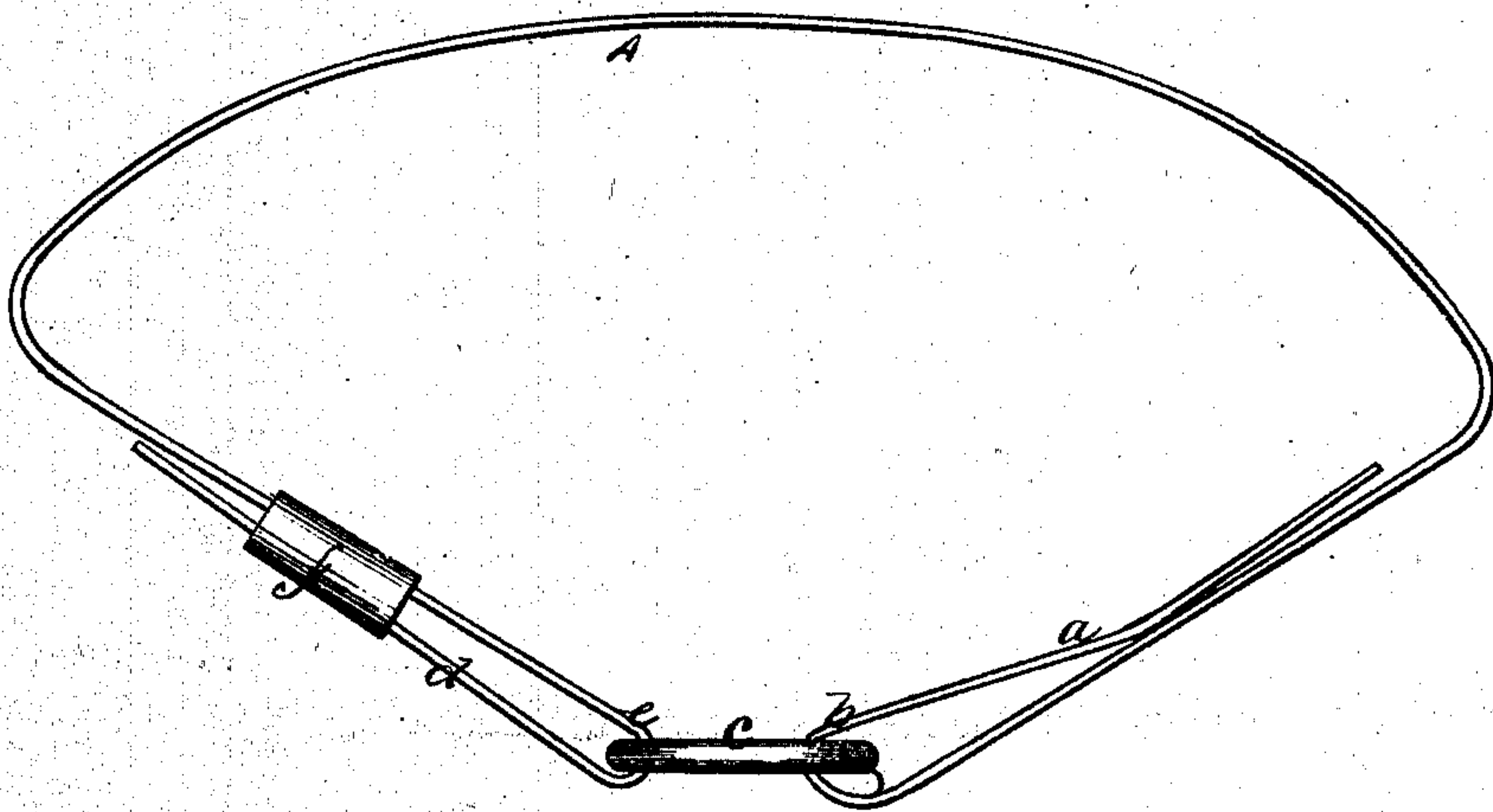
*J. E. Perkins,*

*Bole Tie.*

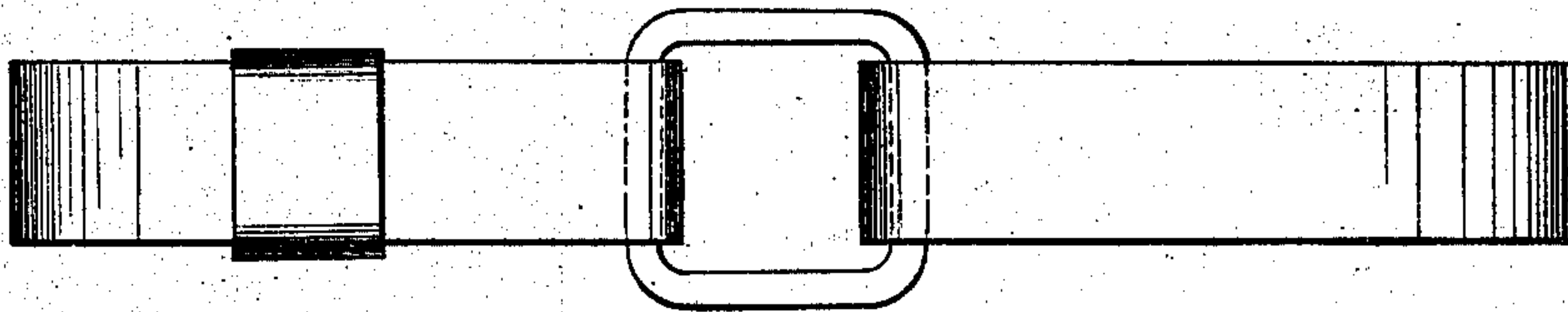
*No. 112,375.*

*Patented Mar. 7. 1871.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*  
*Geo. H. Strong.*  
*J. L. Bond*

*Inventor.*  
*James O. Perkins*  
*By Dewey & Co*  
*his Attys*



# UNITED STATES PATENT OFFICE.

JAMES E. PERKINS, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **112,375**, dated March 7, 1871.

*To all whom it may concern:*

Be it known that I, JAMES E. PERKINS, of the city and county of San Francisco, State of California, have invented an Improved Bale-Tie; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The object of my invention is to provide an improved device for securing bales of cotton, wool, hay, or anything which is to be held together in a bundle; and it consists of a strap of iron, which is folded back upon itself at one end and holds a stout link in the bight. The strap being passed around the bale at the desired point, the other end is passed through the link, and, after being drawn as tightly as possible, is bent back upon itself, forming a bight over the link, and is secured by slipping a movable band over this bight.

Referring to the accompanying drawing for a more complete explanation of my invention, Figure 1 is an edge view of a short tie of my invention. Fig. 2 is a flat view of same.

A is a strap of suitable material, having one end, *a*, bent back so as to form a bight at *b*.

This bight incloses one side of a link, *c*, which may be put in loosely, or it may be secured. The strap, being of sufficient length, is passed around the material to be secured with the end *a* folded beneath and against the bale, and the end *d* is passed through the link opposite the bight *b*, and after being drawn as tightly as possible it is folded back upon itself, as shown, so that the two sides of the link are inclosed in the two bights *b* and *e*.

In order to secure the end which folds outside, a loop or strap, *f*, is slipped over the folded end, as shown, when the tie will be completed, thus forming a cheap and expeditious means of securing bales of goods or other things, and also making it easy to take the tie off at pleasure and use it over again.

What I therefore claim is—

A bale-tie, A, having the folded ends *a* and *d*, in combination with an open rectangular link, *c*, and the loop *f*, when constructed and operated substantially as herein described.

In witness that the above-described invention is claimed by me I have hereunto set my hand and seal.

JAMES E. PERKINS. [L. S.]

Witnesses:

GEO. H. STRONG,  
WM. H. RUNNELS.