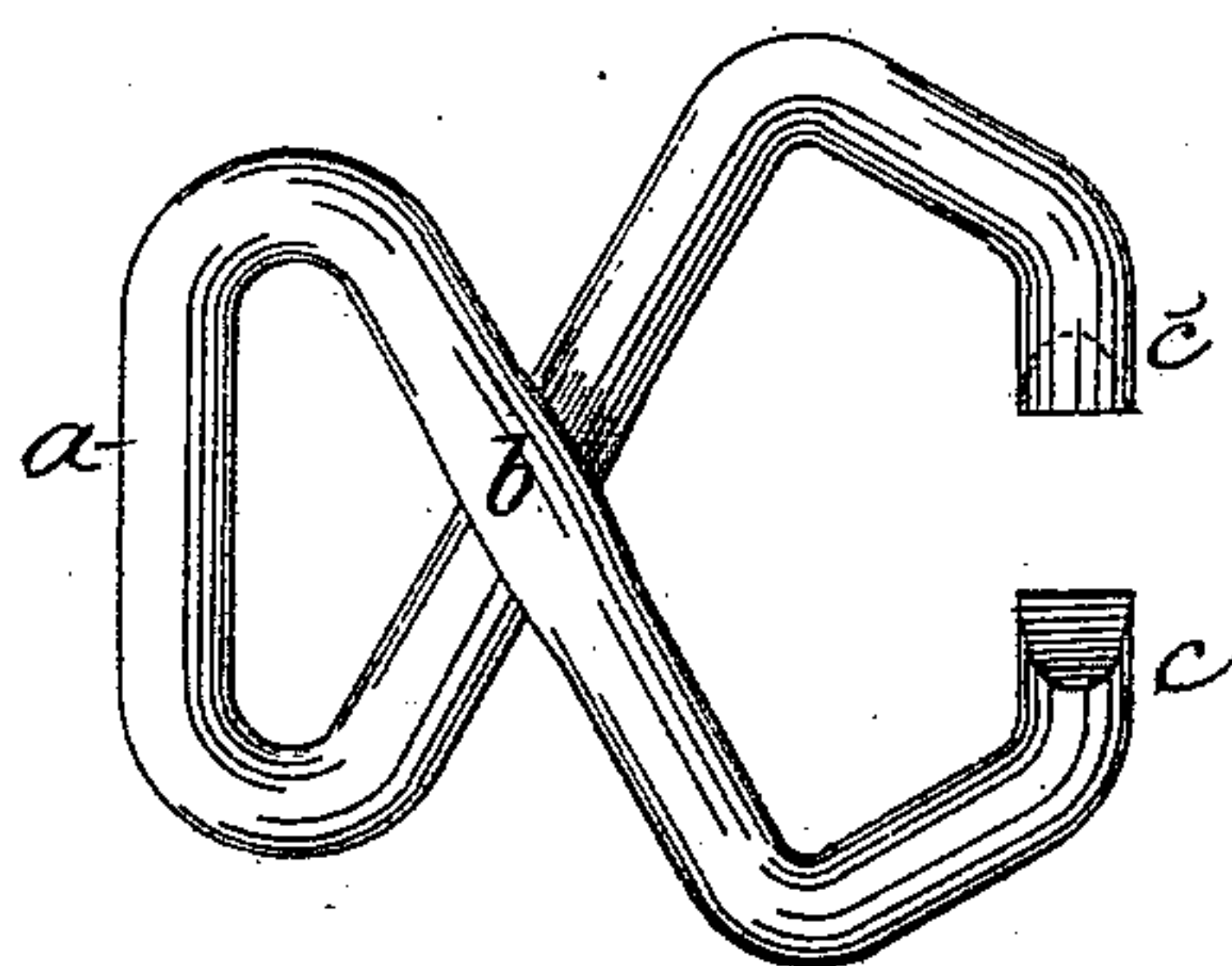


G. A. PORTER.  
Bale-Tie.

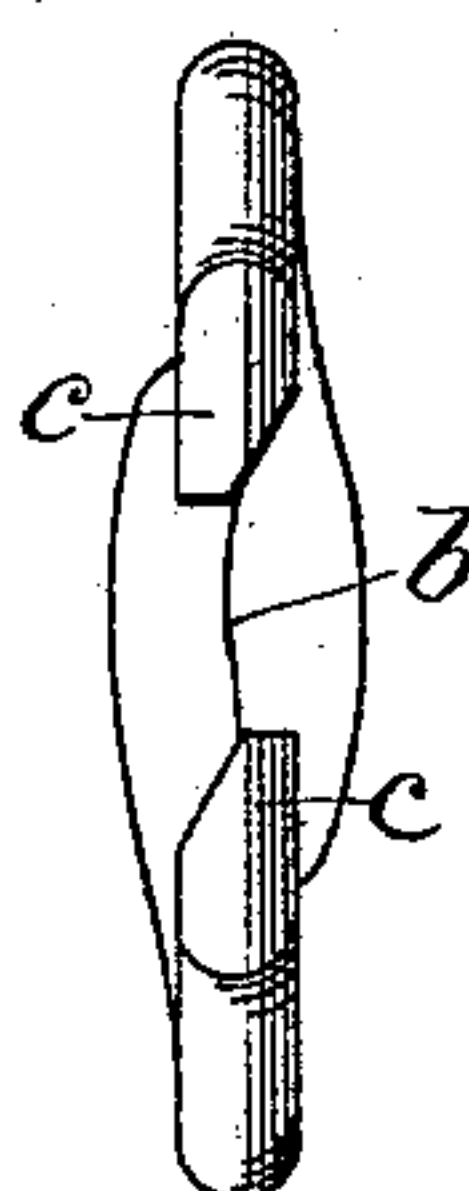
No. 211,927.

Patented Feb. 4, 1879.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Alex. Scott*

*Wm. Madigan*

*Inventor.*

*George A. Porter*  
*by J. F. Greenough*

*Att'y*

# UNITED STATES PATENT OFFICE.

GEORGE A. PORTER, OF SYRACUSE, NEW YORK.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **211,927**, dated February 4, 1879; application filed December 5, 1878.

*To all whom it may concern:*

Be it known that I, GEORGE A. PORTER, of Syracuse, Onondaga county, State of New York, have invented a certain new and useful Improvement in Bale-Ties, of which the following is a specification:

My bale-tie consists of a single piece of stout bent wire or rod of metal, as shown in the drawings, its object being cheapness, simplicity of construction, and efficiency and facility in its application.

The construction, as shown in Figure 1 of the drawings, consists of a wire loop, the bight, *a* of which is flattened, the two sides crossing each other at *b*, where they may be pressed together and somewhat flattened to give them stiffness. Beyond the crossing-point the ends spread somewhat, and are then turned inward nearly at right angles, and the extreme ends *c* are turned inward, parallel with the bight,

at *a*, of the loop, and on a line with each other, leaving a space between them, as clearly seen in Fig. 1.

Fig. 2 shows an end view, and the manner in which the ends *c c* are scarfed off.

Having thus fully described my improved bale-tie, I claim—

The bale-tie arranged and constructed, in form as herein described, of a single wire or rod crossed and compressed together at the point *b*, for the purpose described, having the sides of the second loop inclined inward, so as to guide the loop of the bale-strap onto the two ends *c*, scarfed off, in the manner and for the purposes specified.

GEORGE A. PORTER.

Witnesses:

D. H. GOVING,  
H. H. HOYT.