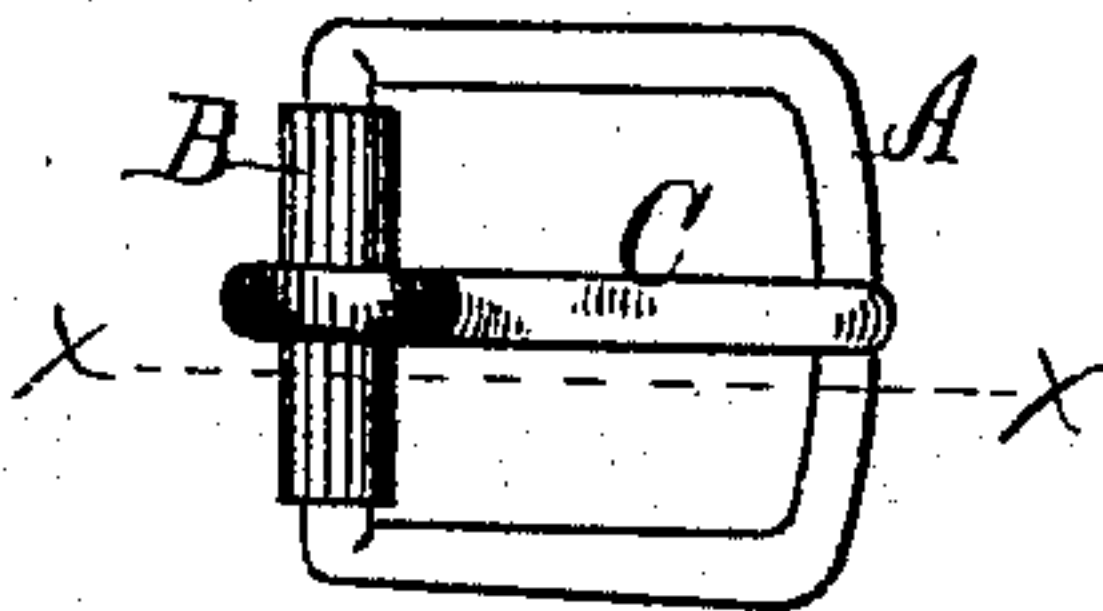


L. F. JUDD.  
BUCKLES.

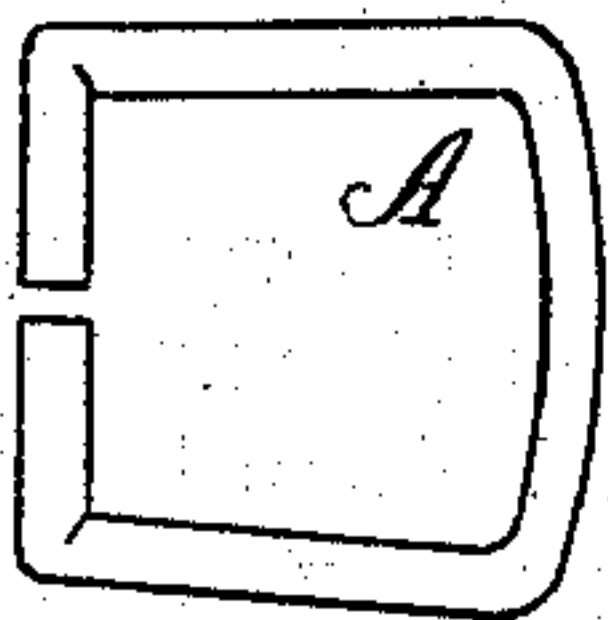
No. 182,200.

Patented Sept. 12, 1876.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES.

John Pollitt.  
Geo. T. Gowdy

INVENTOR

Loun F. Judd  
By James Shepard Atty.

# UNITED STATES PATENT OFFICE.

LORIN F. JUDD, OF NEW BRITAIN, CONNECTICUT.

## IMPROVEMENT IN BUCKLES.

Specification forming part of Letters Patent No. **182,200**, dated September 12, 1876; application filed February 28, 1876.

*To all whom it may concern:*

Be it known that I, LORIN F. JUDD, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Buckles, of which the following is a specification:

My invention consists of the peculiar formation of the buckle—to wit, forming the ring or loop of one piece of wire, with its ends abutting at the side to which the tongue is to be hung, then inclosing said ends in a tube and fastening the tube thereon by forming the eye of the tongue around it, all as herein-after described.

In the accompanying drawing, Figure 1 is a side elevation of a buckle which embodies my invention. Fig. 2 is a side elevation of a detached part thereof, to wit, the loop; and Fig. 3 is a section of said buckle, taken on line *xx* of Fig. 1.

I form the body A of the buckle of wire

bent into form, with its ends abutting or nearly abutting each other upon the hinge side of the buckle. Around these ends a sheet-metal tube, B, is placed, the same being swaged thereon by means of suitable dies, and the eye of the tongue C is then bent around and upon tube B to hold the whole in place, whereby I am enabled to produce a buckle wholly of wrought metal, and at about one-half the cost of cast malleable buckles.

I claim as my invention—

The combination of the body A, the tube B surrounding its abutting ends, and the tongue C, with its eye formed around the tube, all substantially as described, and for the purpose set forth.

LORIN F. JUDD.

Witnesses:

HENRY WATER,  
H. O. NOBLE.