

J. C. Hyde,

Buckle

No. 109,321.

Patented Nov. 15. 1870.

fig. 1

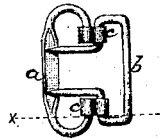


fig. 2

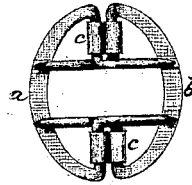


fig. 3



Witnesses
J. H. Summway
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Inventor
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JAMES C. HYDE, OF WEST HAVEN, CONNECTICUT, ASSIGNOR TO THE
WEST HAVEN BUCKLE COMPANY, OF SAME PLACE.

Letters Patent No. 109,321, dated November 15, 1870.

IMPROVEMENT IN BUCKLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES C. HYDE, of West Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Buckles; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents in—

Figure 1, a two-part single buckle;

Figure 2, a two-part double buckle; and in

Figure 3, a section, on line *x x* of fig. 1.

This invention relates to an improvement in buckles for wearing apparel, the object being to strengthen the usual manner of hinging the parts together; and

It consists in forming the hinge by a loop of metal bent around each of the parts at the point of hinging, so that the said loop forms a flexible hinge, upon which the two parts turn.

a is the frame or one part of the buckle, and *b* the other part.

These two parts have usually been hinged together by flattening or bending one around the other at the point where the hinge is desired. In doing this considerable difficulty is experienced, particularly in the double buckle, seen in fig. 2.

In single buckles, flattening the ends of one part and bending them around the other part necessarily harden the metal, so that it is liable to break.

To overcome this difficulty, around the two parts, at the hinged point *d*, seen in fig. 3, I bend a strip of thin metal, *c*, around and over one, under and around the other part; and I make this metal of sufficient length to form the bearing, and to retain the parts in their proper relative position.

This construction forms a flexible hinge, inasmuch as both parts turn within the loop.

It may be more expensive than the ordinary manner of hinging in single buckles, but no more so in double buckles, and in both cases the hinge is much stronger, and not so liable to break as when the hinge is directly formed from the metal of one of the parts.

I claim as my invention—

The hinge for buckles, consisting of the strip of metal *c*, bent and closed separately around each of the two parts to secure them together and form the hinge, substantially as set forth.

JAMES C. HYDE.

Witnesses:

A. J. TIBBITS,

J. H. SHUMWAY.