

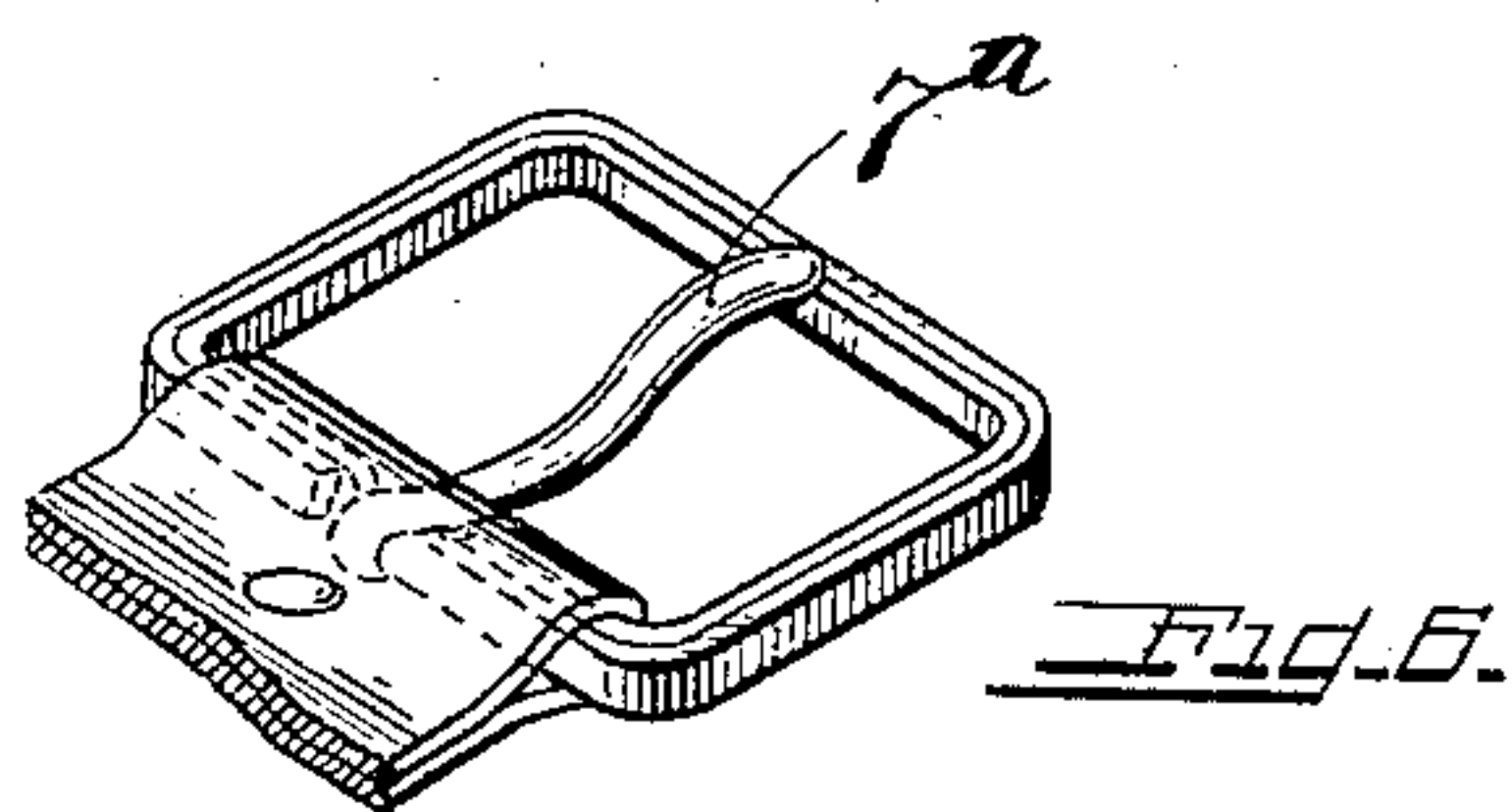
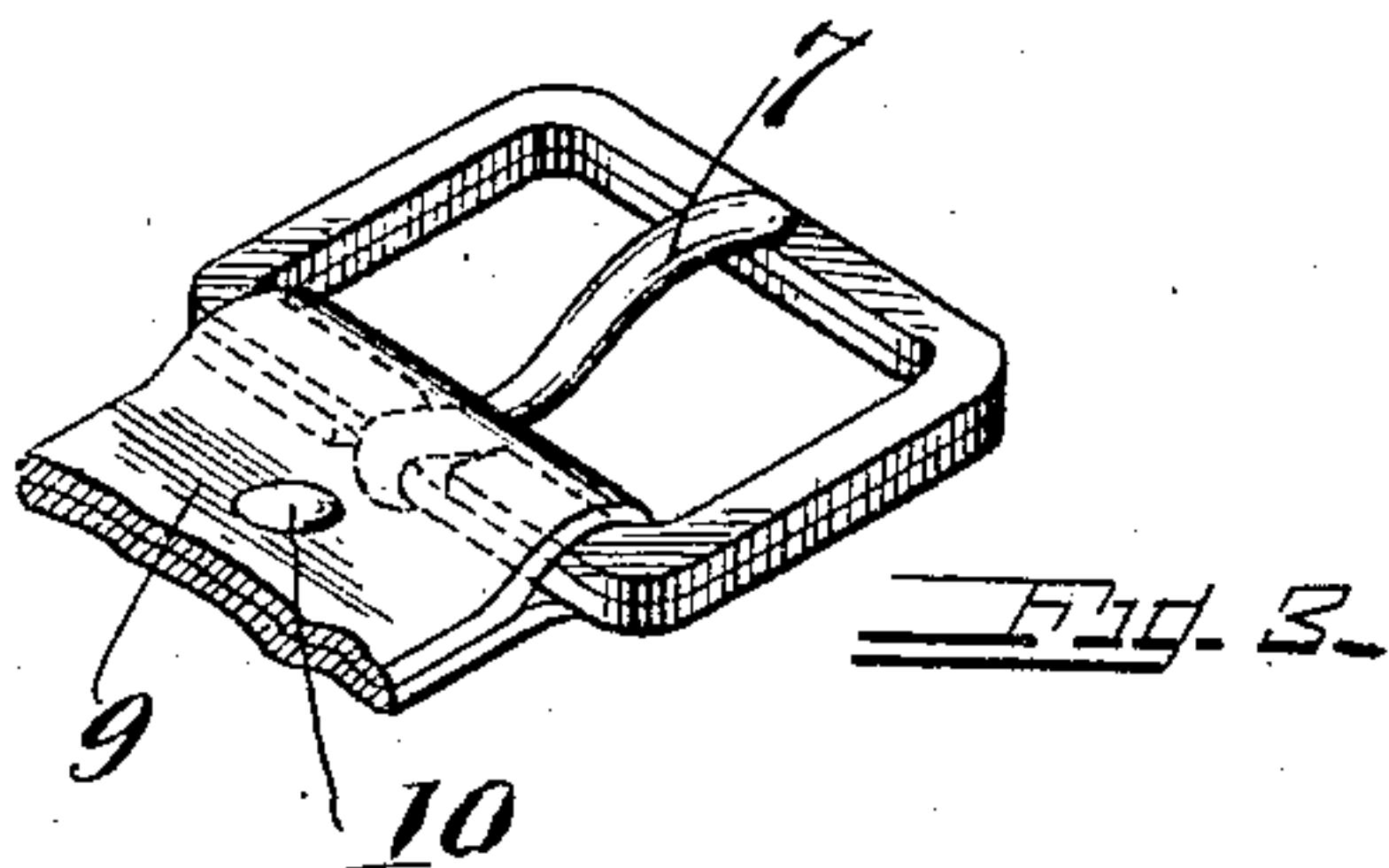
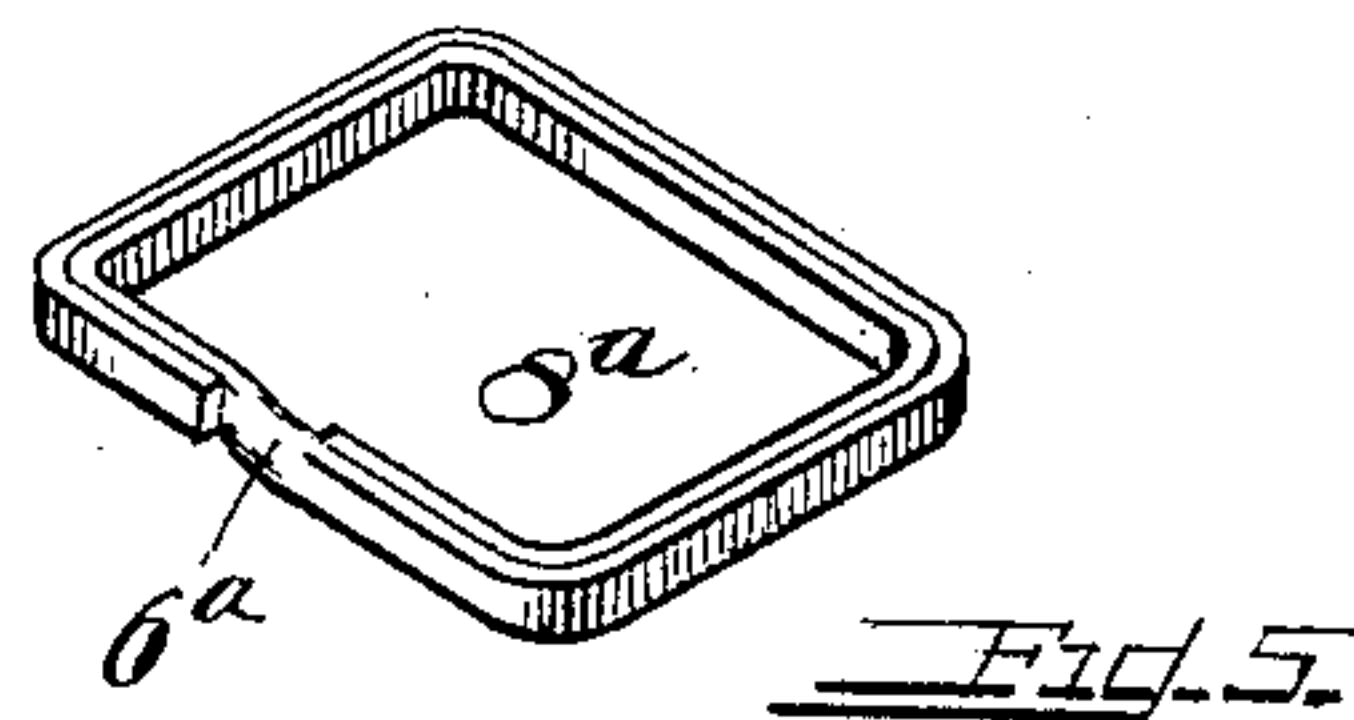
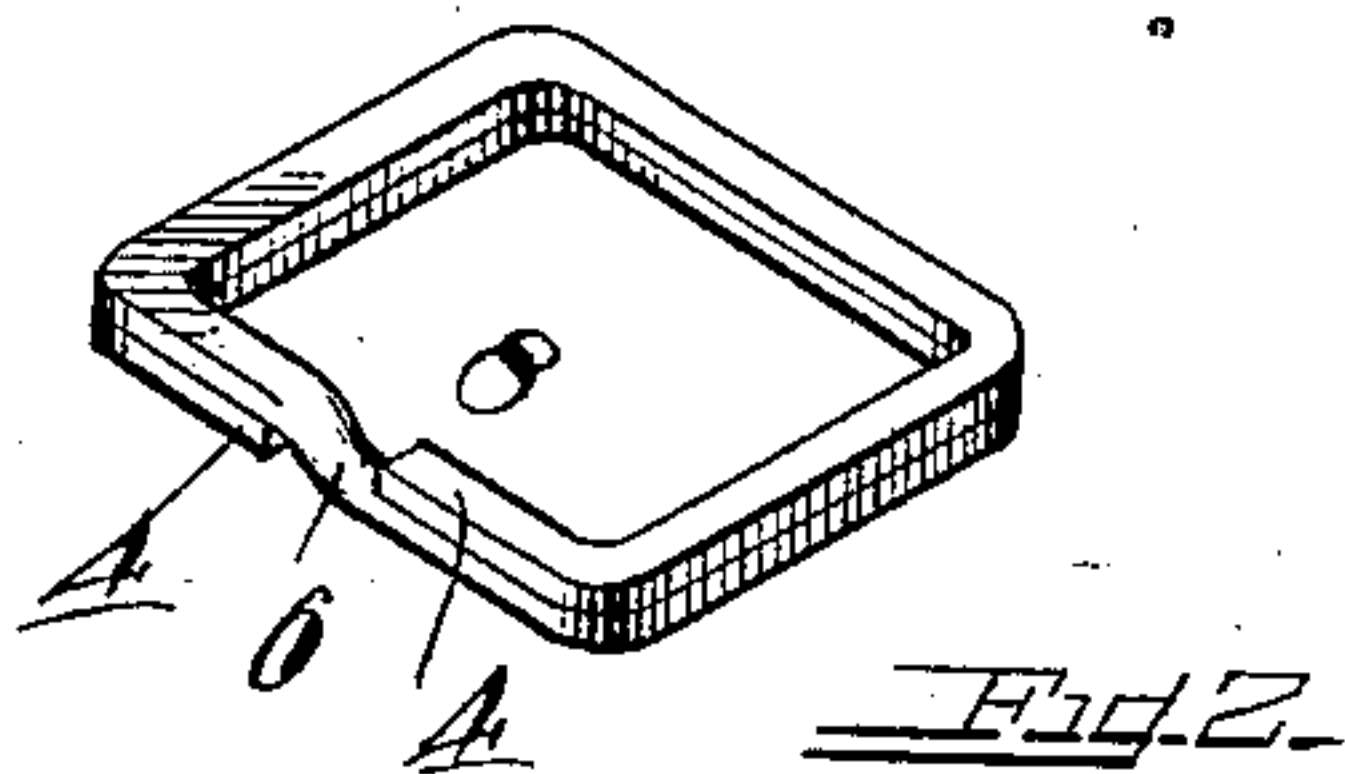
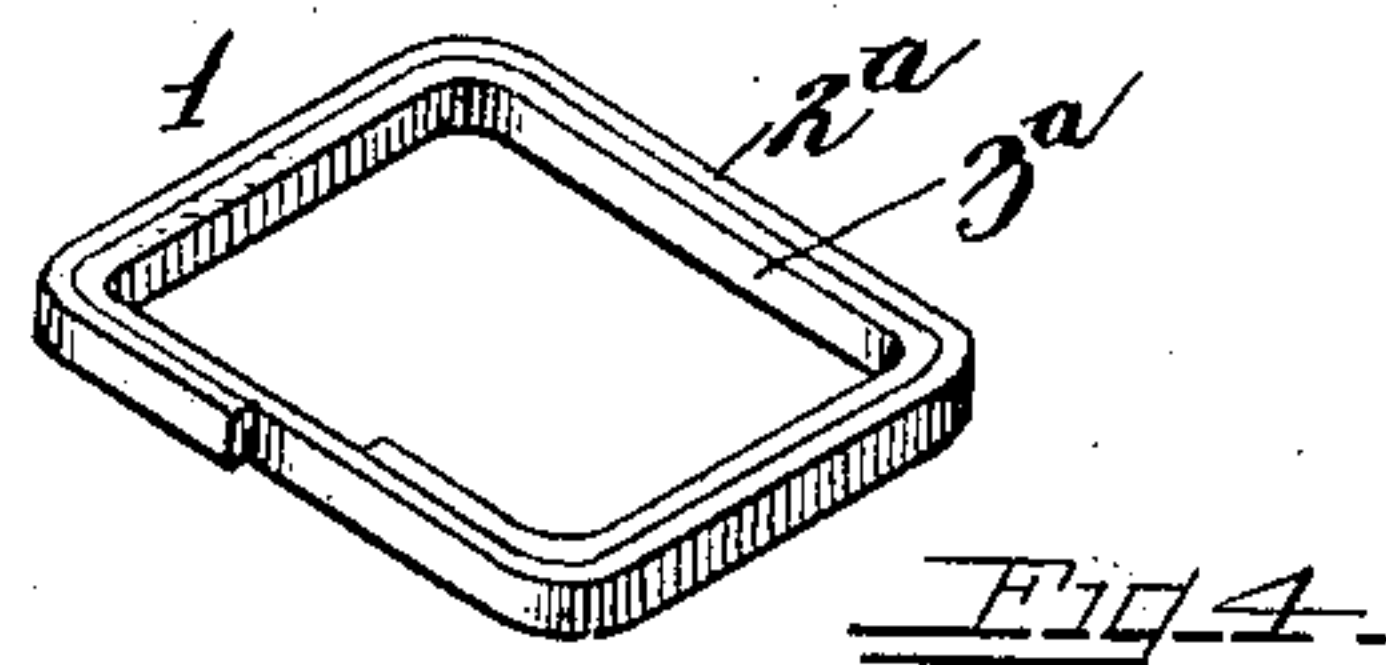
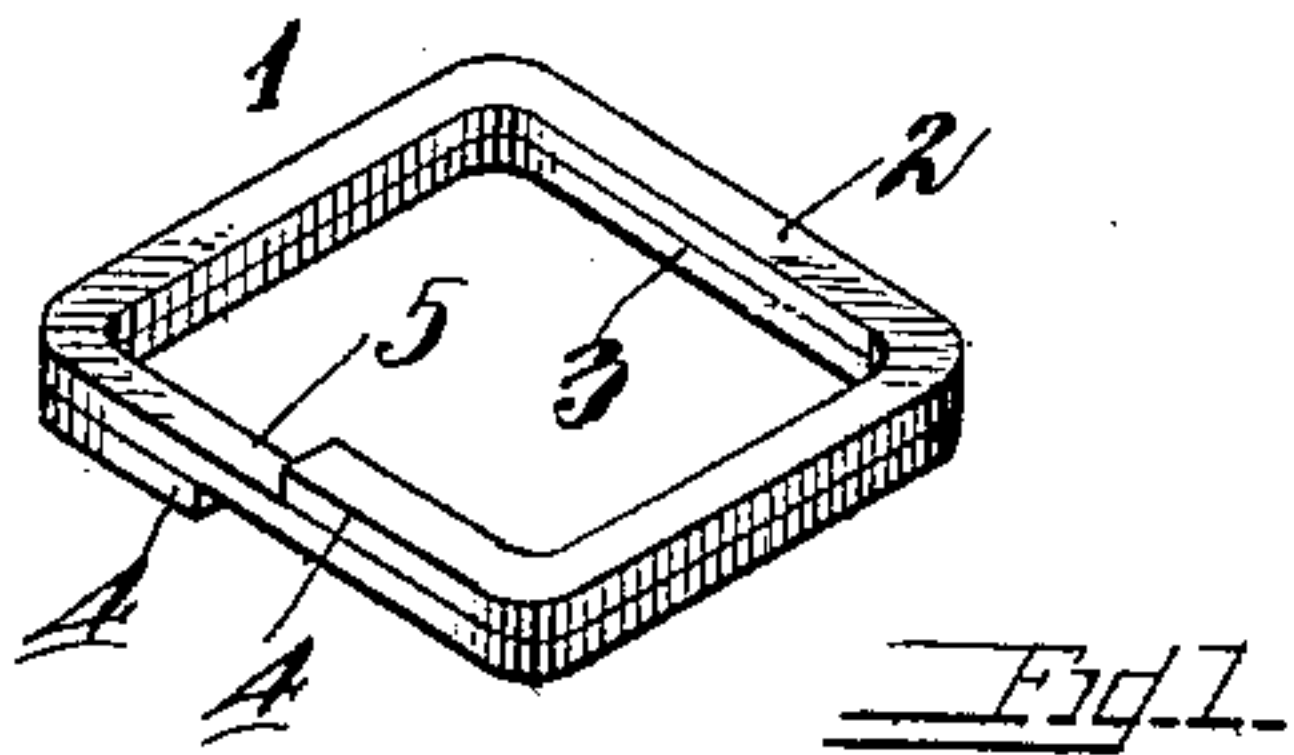
No. 863,280.

PATENTED AUG. 13, 1907.

A. S. HUNTINGTON.

BUCKLE.

APPLICATION FILED JULY 27, 1906.



Witnesses.

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# UNITED STATES PATENT OFFICE.

ARTHUR S. HUNTINGTON, OF OMAHA, NEBRASKA.

## BUCKLE.

No. 863,280.

Specification of Letters Patent.

Patented Aug. 13, 1907.

Application filed July 27, 1906. Serial No. 327,983.

*To all whom it may concern:*

Be it known that I, ARTHUR S. HUNTINGTON, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

The object of this invention is the production of a strong, neat buckle which can be manufactured at a low cost. This object I attain by forming the loop of the buckle of coiled wire of suitable size and cross-section, the coiled wire blank being passed through suitable dies to form the seat or pivot for the tongue of the buckle and to give the buckle a neat finish.

In the accompanying drawings, Figure 1 is a perspective view of the blank from which the loop of the buckle is made. Fig. 2 is a view of said blank after it has been passed through the shaping dies. Fig. 3 is a perspective view of a complete buckle embodying the features of my invention. Figs. 4, 5, and 6 are perspective views corresponding, respectively, to Figs. 1, 2, and 3, and illustrating a slightly different embodiment of the invention.

In forming a buckle embodying the features of this invention, I coil wire of suitable weight and cross-section upon a mandrel (not shown) of a cross-section corresponding substantially to the form which it is desired that the finished buckle shall have. In the present instance the buckle is substantially square in outline and the wire used is oblong in cross-section. In practice the wire is continuously wound upon the mandrel and is periodically severed to provide blanks 1 comprising, in this embodiment, two continuous rectangular coils 2 and 3 lying side by side. The ends 4 of the wire are slightly separated and lie at opposite sides of the bar 5 of said loops. The blank 1 is then passed through dies (not shown) adapted to press the portions at both sides of the middle of the bar 5 into substantially the same

plane, said middle portion being bent and rounded as shown in Fig. 2 to serve as a pivot 6 for the tongue 7. The tongue 7 is put in place in any common or preferred way. The buckle is then given any suitable finish, after which it is ready for use. The bar 5 and the end portions 4 of the wire together form the attaching bar 8 of the buckle. The buckle is attached to a strap 9 by looping the end of said strap about the bar 8 of the buckle and securing said loop by any suitable means, as a rivet 10.

In the embodiment shown in Figs. 4, 5, and 6 the loop of the buckle is formed of two continuous coils 2<sup>a</sup> and 3<sup>a</sup>, one of which coils lies within the other. This double coil is shaped by means of suitable dies to bring the parts of the attaching bar 8<sup>a</sup> into substantially the same plane and to form a pivot 6<sup>a</sup> for the tongue 7<sup>a</sup>.

I claim as my invention:

1. In a buckle, in combination, a loop comprising two continuous wire coils the axes of the two coils coinciding, a portion of said coils between the ends of the wire forming a pivot; and a tongue mounted on said pivot.

2. In a buckle, in combination, a loop comprising two continuous wire coils the axes of the two coils coinciding, the ends of the wire being slightly separated, said wire ends lying at opposite sides of one bar of said coils, said bar being bent to bring said ends into substantially the same plane with said bar, the portion of said bar between said wire ends constituting a pivot; and a tongue mounted on said pivot.

3. In a buckle, in combination, a loop comprising two continuous wire coils whose axes coincide, said coils lying one against the other, the ends of the wire forming said coils being slightly separated and lying at opposite sides of one bar of said coils, said bar being bent to bring said ends into substantially the same plane with said bar, the portion of said bar between said wire ends constituting a pivot; and a tongue mounted on said pivot.

ARTHUR S. HUNTINGTON.

Witnesses:

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