

No. 800,706.

PATENTED OCT. 3, 1905.

J. S. ANDERSON.
BUCKLE.

APPLICATION FILED MAY 10, 1905.

Fig. 1.

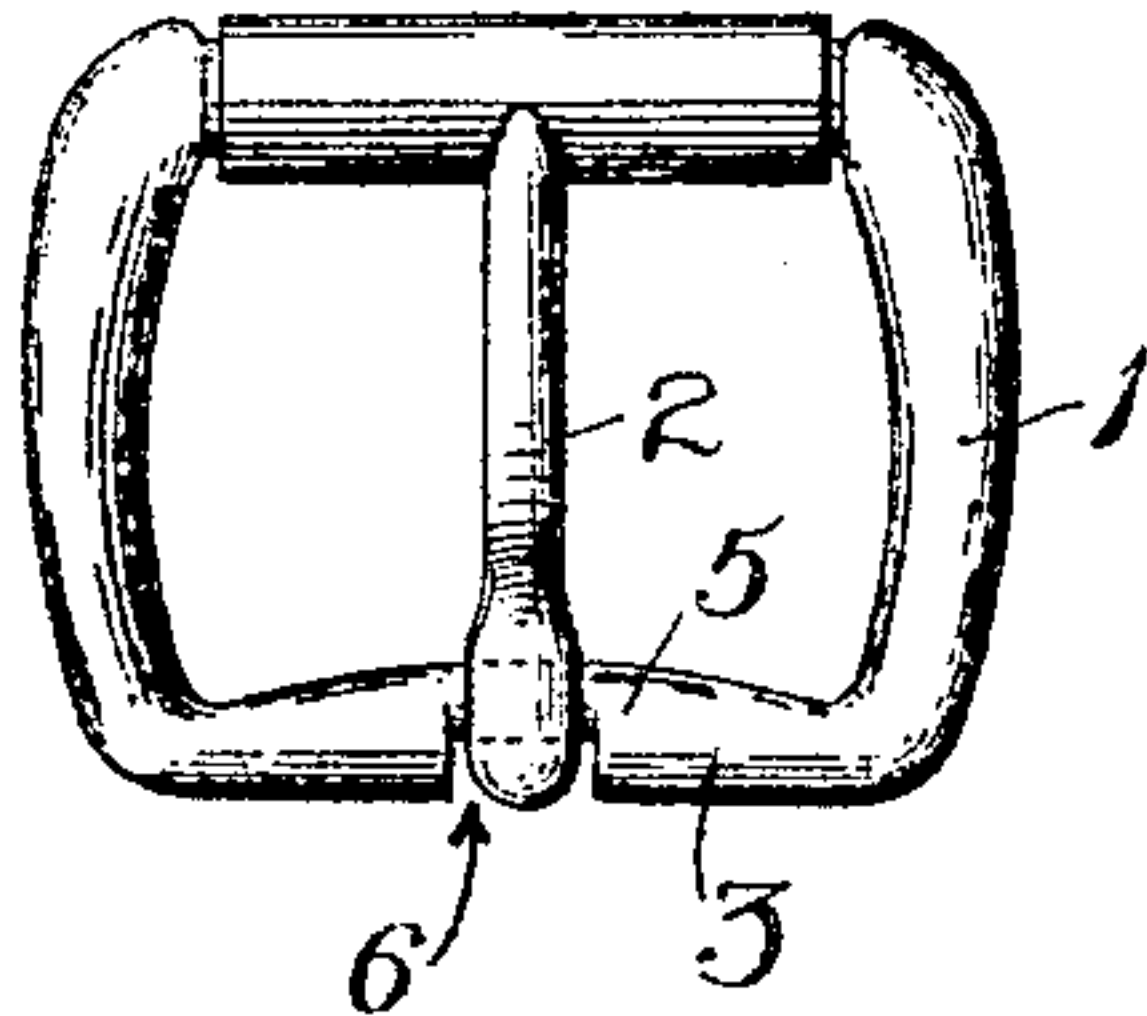


Fig. 3.

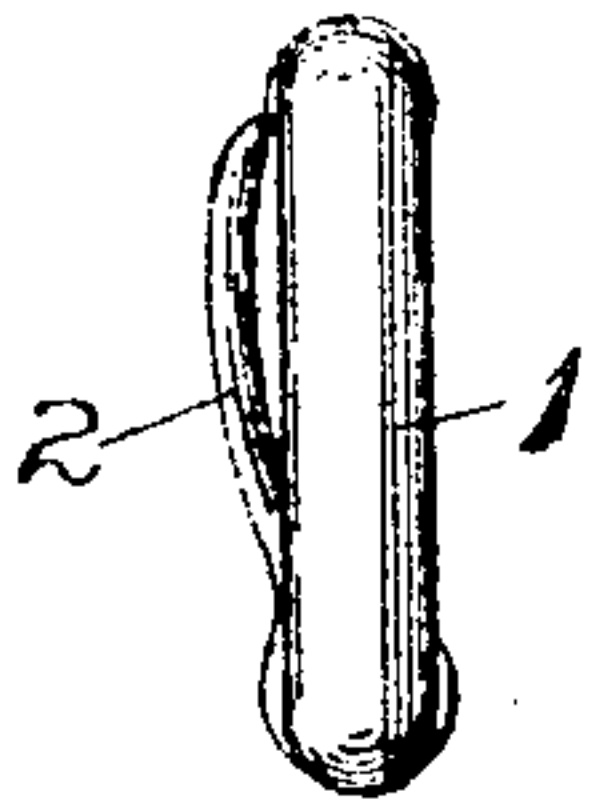


Fig. 4.

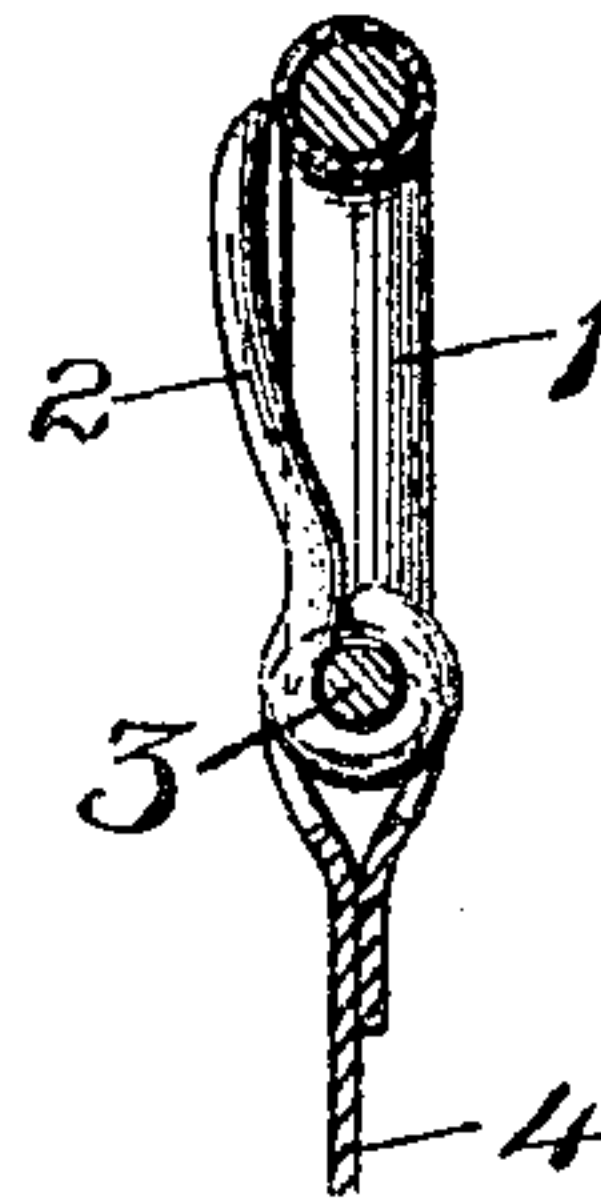
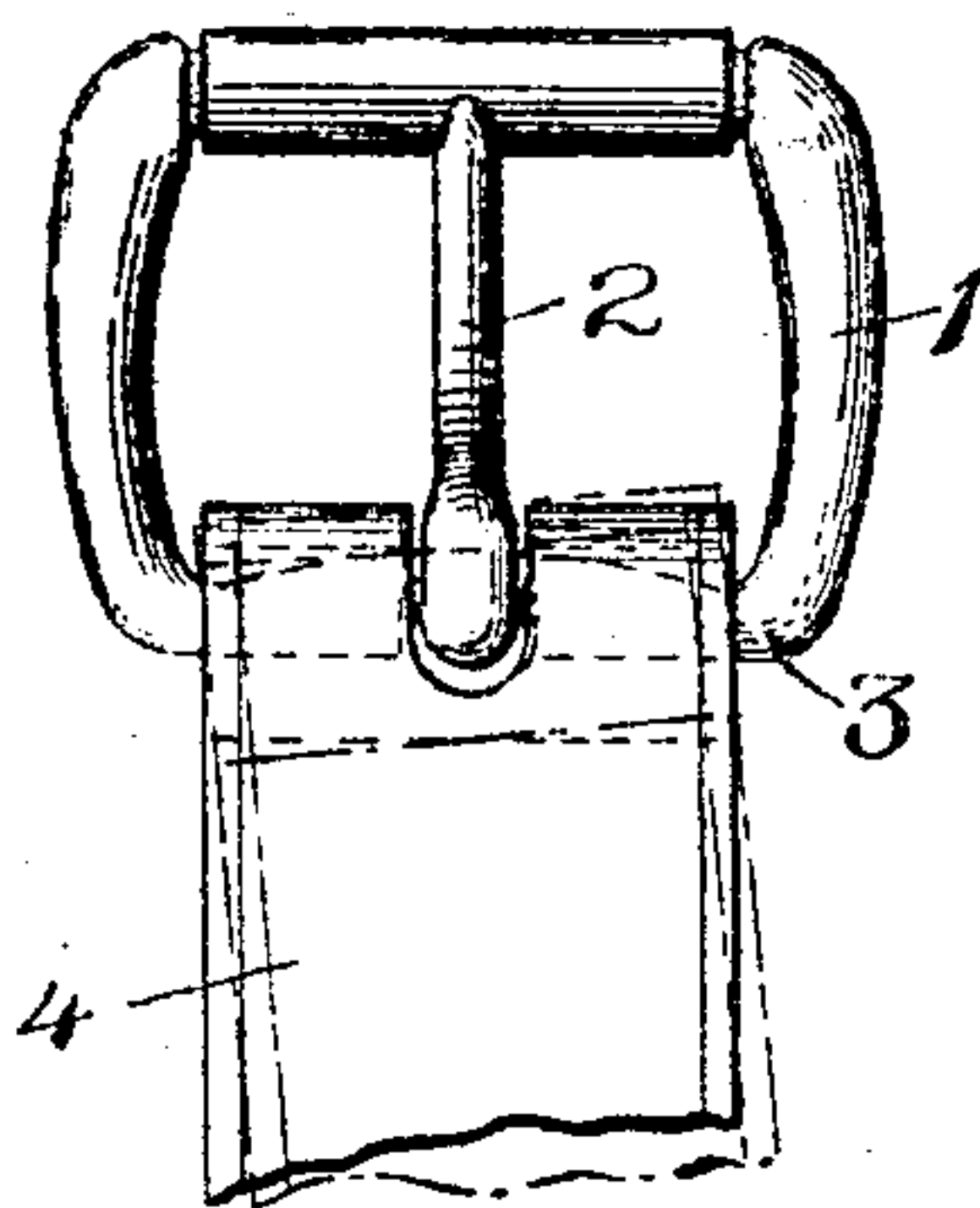


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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BUCKLE.

No. 800,706.

Specification of Letters Patent.

Patented Oct. 3, 1905.

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To all whom it may concern:

Be it known that I, JOHN S. ANDERSON, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Buckles, of which the following is a full, clear, and exact description.

My invention relates to improvements in buckles, and particularly to what is known as "tongue-buckles." Such buckles are used generally with straps and are subject to considerable strains which often wear the strap so as to cause it to break.

The object of my invention is to construct a simple buckle which shall have great strength and which will be less likely to cause wear or abrasion of the connecting-strap when in use.

The invention consists in improvements the principles of which are illustrated in the accompanying single sheet of drawings. Briefly, it may be said to comprise a loop or body portion having a tongue-bar arched toward the opening in the loop and straight on the rear with a notch for providing a seat for the tongue, all of which is accomplished without adding materially to the weight of the buckle.

Figure 1 is a plan view of a buckle embodying the improvements of my invention. Fig. 2 is a plan view of such a buckle with a fragment of a connecting-strap attached, the strap also being shown dotted in a position where a side pull is effected. Fig. 3 is a side view of my improved buckle. Fig. 4 is a cross-sectional view of the same.

1 is the body or loop portion of the buckle, which is formed of suitable material and has an opening for the passage of a strap, &c., as is usual.

2 is the tongue of suitable construction.

3 is a bar forming a pivotal support for the tongue.

4 is a fragment of a connecting-strap which is secured to the bar 3. This strap when in use is subjected to considerable pulls, sometimes in a straight line and sometimes at an angle relative to the buckle. When pulled at an angle, the edges of the eye in the strap in the ordinary construction are drawn and chafe against the bar 3, which wears the strap badly at these points. I have avoided this by arching the inner surface of the bar, as at 5, so that the strap bears more near the center and will have considerable freedom of movement before the edges bear upon the bar 3. This prevents wear of the strap and also adds materially to the strength of the buckle without increasing its weight. I also prefer to make the bar 3 straight across at the rear and cut out a portion, as at 6, for the tongue-seat. This brings the heel of the tongue flush with the rear of the buckle and allows the strap to be sewed up closer to the buckle, doing away with considerable loose play, as well as making the construction neater in appearance.

The advantages of this construction other than those set forth will be apparent to those who are skilled in this art.

What I claim is—

A buckle comprising a body or loop portion, a bar at one end integral therewith for the attachment of a strap, said bar being notched adjacent to the center and gradually arched slightly toward the loop from side to side, for affording a bearing for the strap, and a tongue pivotally mounted on the notched portion of said bar with its heel substantially flush with the outer edge thereof.

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Witnesses:

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