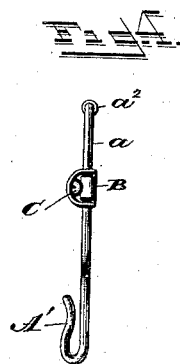
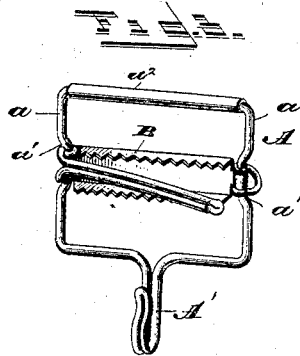
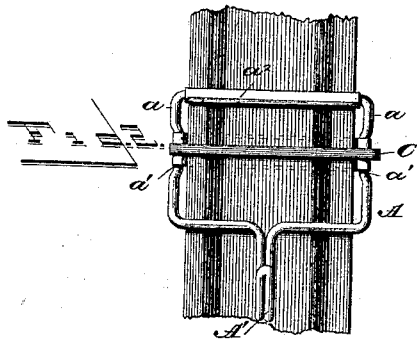
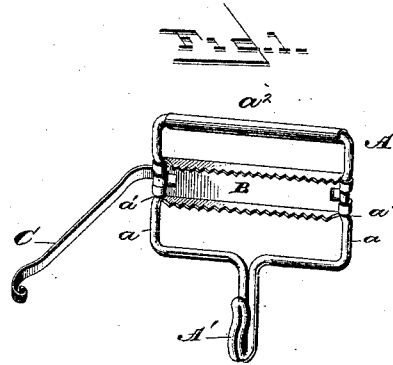


(No Model.)

S. A. COLLINS.  
SUSPENDER BUCKLE.

No. 417,989.

Patented Dec. 24, 1889.



Samuel A. Collins.

Witnesses

G. S. Elliott.  
E. W. Johnson

Inventor

By his Attorney

# UNITED STATES PATENT OFFICE.

SAMUEL A. COLLINS, OF TROY, OHIO.

## SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 417,989, dated December 24, 1889.

Application filed June 13, 1889. Serial No. 314,091. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL A. COLLINS, a citizen of the United States of America, residing at Troy, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Suspender-Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in buckles for suspenders.

The object of my invention is to provide a buckle or clasp which can be readily attached and detached from a suspender or strap, and when attached will not injure the face of the strap.

My improvement also simplifies and cheapens this class of devices and renders them much more efficient and durable.

With the above ends in view my invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a suspender-buckle constructed in accordance with my invention. Fig. 2 is a front view showing the same applied to a shoulder band or strap of a suspender. Fig. 3 is a perspective view of a modification of my invention. Fig. 4 is a side view.

A refers to the body portion of a buckle, which is made up of a single piece of wire, the side pieces *a a* being bent inwardly at about their centers to provide parallel portions having offsets *a'*, between which a cross-plate B is rigidly secured. The frame A has its ends bent toward each other and incased in a sleeve *a*<sup>2</sup>, while at the lower portion of the frame the wire is brought together to form a hook *A'*, the sides of which lie parallel with each other. If desirable, the wire bent to form this hook may be soldered to render the hook more rigid.

To the side pieces between the offsets *a'* are secured the ends of a transverse plate B, made up of a single piece of sheet metal, the ends having extensions coiled around the side

pieces of the frame of the buckle, and the edges of the plate B are bent upwardly and provided with serrations or teeth.

To one of the side pieces of the frame is pivoted a keeper C, which may consist, as shown in Figs. 1 and 2, of a single bar of metal, the free end of which is curved or bent to engage the opposite side of the frame and hold said keeper in place by spring-pressure. As shown in Figs. 1 and 2, this keeper is pivoted between the ends of the transverse plate, which is slotted when such construction is employed, while in Figs. 3 and 4 the keeper C is made up of a single piece of wire the ends of which are bent around the side of the frame of the buckle above and below the ends of the transverse plate B, while the opposite side of the buckle is provided with a swinging bail or loop which engages with the free end of the keeper.

Either of the above-described constructions can be employed without departing from the spirit of my invention.

Buckles for suspenders as heretofore constructed were usually provided with a serrated plate which contacted with the face of the strap and injured the texture of the fabric, which objection is fully obviated by my improved construction, which locates the serrated plate in rear of the suspender or strap.

I am also aware that buckles for other uses have been provided with a hinged cross-bar, and I do not therefore claim the same, broadly; but

What I claim as new, and desire to secure by Letters Patent, is—

The improved buckle herein described, consisting of the frame A, provided at its lower portion with a hook, a transverse plate secured rigidly to the sides of said frame and having upper and lower forwardly-extending horizontal teeth, and a horizontal keeper, plain surfaced, as described, hinged to one side of the frame to move in front thereof, and adapted to have its free end engaged by a loop at the other side to receive said keeper between said series of teeth, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL A. COLLINS.

Witnesses:

WILLIAM GRAYSON,  
SAMUEL LUDLOW.