(No Model.)

W. S. CARTER & F. C. CHURCHILL.

SUSPENDER BUCKLE AND BUTTON HOLE CLAMP.

No. 339,374. Patented Apr. 6, 1886.

Fig. 1.

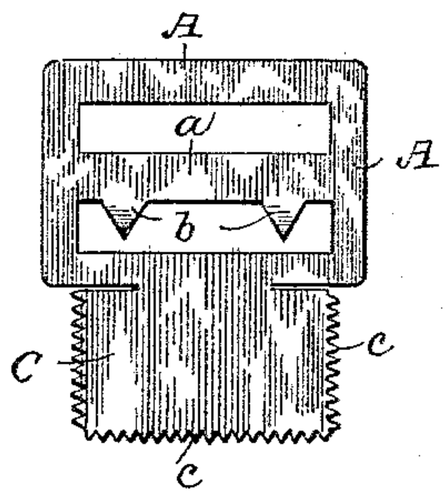


Fig. 2.

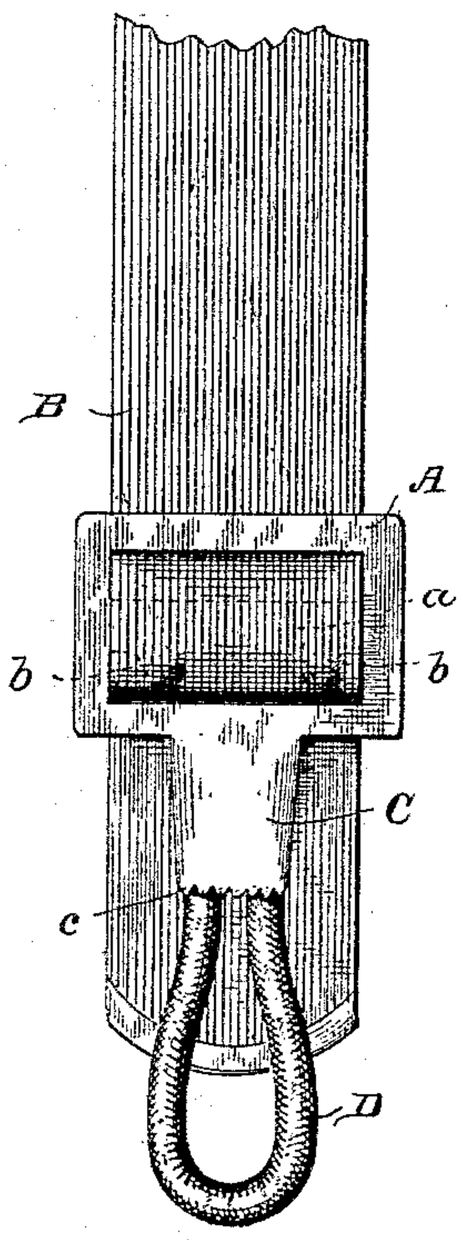
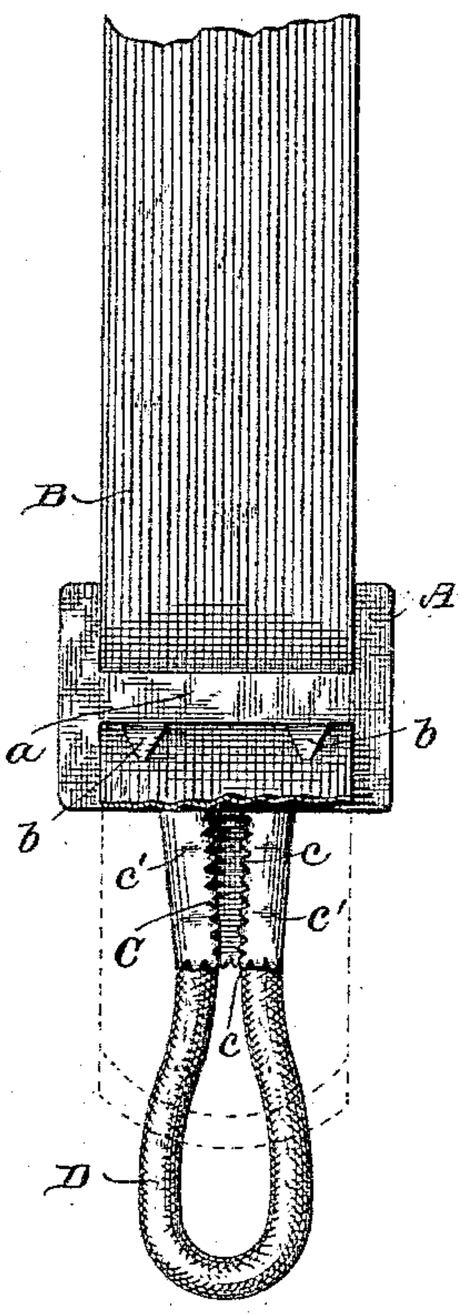


Fig. 3.



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WILLIAM S. CARTER AND FRANK C. CHURCHILL, OF LEBANON, N. H.

SUSPENDER-BUCKLE AND BUTTON-HOLE CLAMP.

SPECIFICATION forming part of Letters Patent No. 339,374, dated April 6, 1886.

Application filed February 15, 1886. Serial No. 191,940. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM S. CARTER and FRANK C. CHURCHILL, citizens of the United States, residing at Lebanon, in the county of Grafton and State of New Hampshire, have invented certain new and useful Improvements in Suspender-Buckle and Cord-Button-Hole Clamp; and we do 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 the letters and figures of reference marked thereon, which form a part of this specification.

The object of our invention is to provide in one device means for adjusting the length of the suspender-straps and for securely clamping the cord loop or button-hole.

Our invention consists in forming from a blank of suitable metal a buckle-frame, provided with a rigid transverse bar, from the under side of which two or more teeth project down and outward at an obtuse angle, the lower bar of the buckle-frame being extended in suitable proportions in the form of a shank or plate, the sides and lower end of which terminate in saw-teeth; also in the combination, with this integral device, of the suspender-strap and cord button-hole. From this construction it results that the suspender-strap can easily be drawn down, but will be prevented from slipping back by the said teeth, and the cord button-hole will at all times be firmly held after the plate has been clamped around its free ends, the saw-teeth greatly aiding to prevent any slipping.

In the drawings, Figure 1 is a front elevation of the buckle and shank without any attachments. Fig. 2 is a front elevation with a suspender-strap and cord button-hole attached. Fig. 3 is a like view of the reverse side, the suspender-strap partly broken away.

Like letters refer to like parts.

A represents the buckle-frame. This is provided with a rigid transverse bar, *a*, which has teeth *b* projecting down and outward from its lower side at an obtuse angle. These teeth from their inclination permit the suspender-strap B to be pulled down to any desired adjustment, but at once prevent any upward movement, unless the strap is lifted over the teeth. It will be noticed that the teeth extend down far enough to cause the suspender-strap to fit snugly between them and the lower bar of the buckle-frame, which prevents the said strap from easing off from the teeth-points when there is any slack from bending the body.

The lower bar of the buckle-frame is extended in the form of a plate or shank, C, the sides and lower end of which terminate in saw-teeth *c c*. The ends of a cord loop or button-hole, D, are placed on the plate, and the sides of it are then tightly clamped around them and indented at *c' c'*, the saw-teeth and indentations biting into the cord. Thereafter the loop will be rigidly held in the bent plate.

It is evident that the combined buckle and button-hole clamp can be struck out from a blank of thin metal. The device is simple, strong, and economical, and it is a great advantage to have the buckle and button-hole clamp made in one piece.

Having fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combined suspender-buckle and button-hole fastener consisting of the buckle-frame having a transverse rigid bar provided with teeth projecting down and outward from its under side, and the cord-button-hole shank or fastener forming an extension of the lower bar of the buckle-frame, and having saw-tooth sides for biting into the cord, all made from a single piece of metal, as set forth.

2. The combination, with the buckle-frame A, having central rigid bar, *a*, provided with two or more teeth, *b b*, extending down and outward from its under side, and the cord-button-hole fastener C, having its sides and lower end terminating in saw-teeth *c c*, of the suspender B and cord button-hole D, the said buckle and button-hole fastener being integral, as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM S. CARTER.
FRANK C. CHURCHILL.

Witnesses:
WILLIAM A. CHURCHILL,
KATE L. DAVIS.