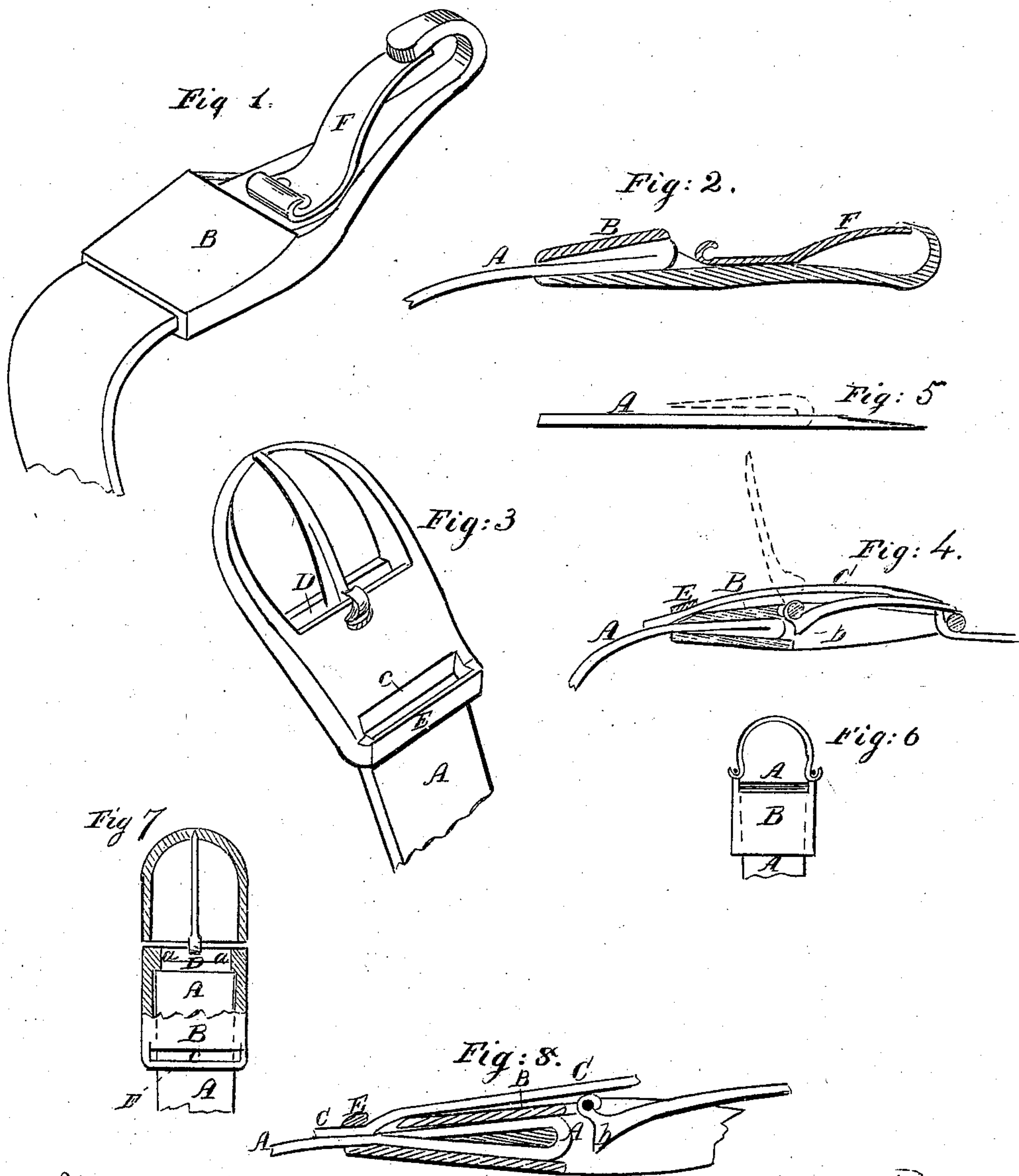


Bailey & Young,

Clasp.

No. 93,792.

Patented Aug 17, 1869.



Witnesses
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THEODORE BAILEY, OF FAIRFAX COUNTY, VIRGINIA, AND HOWARD H. YOUNG, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 93,792, dated August 17, 1869.

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 we, THEODORE BAILEY, of the county of Fairfax, and State of Virginia, and HOWARD H. YOUNG, of Washington city, District of Columbia, have invented certain new and useful Improvements in the Manner of Attaching Straps to Buckles, Snap-Hooks, Rings, &c.; and we hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a snap-hook with our improved dovetail recess and strap attached thereto, and

Figure 2, a central section of fig. 1.

Figure 3 is a perspective view of a buckle, illustrating the manner of attaching a strap thereto, and

Figure 4, a longitudinal central section of fig. 3.

Figure 5 illustrates the manner of tapering off one end of the strap, and of folding the end over to form the wedge to fill up the dovetail recess in the hook, buckle, or ring.

Figure 6 illustrates the manner of attaching a strap to a ring.

Figure 7 shows a buckle, partially in section, to show the lugs on the sides of the dovetail recess, to prevent the strap playing back against the end of the tongue, or becoming detached, and

Figure 8, central section, through the dovetail recess, illustrating the use of a wedge where the size of the strap is such as to require one to make it fill up the recess.

The nature of our invention consists in providing the lower end of buckles, snap-hooks, &c., with a dovetail recess, to receive the end of a strap after it has been slightly tapered off and folded over to form a wedge; and also in providing the upper face of the buckle-frame with a transverse slot, so shaped above the dovetail recess as to form a guard for the end of the strap, through which the tongue of the buckle passes; and further, in so shaping the rear end of the tongue that the projection thereon shall extend below the line of the centre of the wedge-shaped end of the strap within the recess, when said tongue is folded down against the front end of the frame, or connected with another strap.

We provide an ordinary snap-hook, with a dovetail recess, and by having the rear end of the spring curved upward, the strap, to which the hook is attached, is prevented from working out, and yet may be detached by pushing the strap back with the fingers, as shown in figs. 1 and 2 of the drawings.

We make our buckle-frame either with the tongue

working on an axis, extending across the frame, and casting on the inner sides of the recess two lugs, *a a*, to prevent the strap A working back, as shown in fig. 7, or the tongue to have its axis on the upper face of the plate B, (see figs. 3, 4, and 8,) in which case the tongue will have a projection, *b*, to prevent the backward play of the strap, and by folding the tongue in the position shown by dotted lines, fig. 4, the strap may be moved backward, and thus detached, and when the tongue is through the strap C, and pressure applied to said strap, the projection *b* is kept in position below and in front of the larger or wedge-shaped end of the strap A.

To connect a strap, all that is required is to first taper one end of said strap, as shown in fig. 5, and by passing the tapered end through the dovetail slot and folding it over, as shown in figs. 5 and 8, or under, as illustrated in fig. 4, and drawing it within the dovetail recess, a secure attachment of the strap to the buckle, snap-hook, or ring, is obtained, without the use of sewing, riveting, or of using such devices as tend to perforate, cut, or otherwise weaken the strap.

Our improvements are applicable to the rings used on skates, bridles, or halters, and to all forms of buckles, or snap-hooks, and we contemplate, as a feature of our invention, having the dovetail recess or socket D tapering on all its sides, when desirable, as illustrated in figs. 6 and 7 of the drawings.

The cross-bar E, forming the guard for end of strap C, may either be cast, raised above the face of the recess-plate B, as seen in figs. 3 and 4, or on the same plane, or nearly so, as shown in figs. 7 and 8.

Having thus fully described our invention,

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

1. The dovetail recess D, in combination with the curved rear end of a snap-hook spring, F, substantially as and for the purpose herein set forth.

2. The dovetail recess D, in combination with the projection *b* and transverse slot *c*, when constructed and arranged substantially as set forth.

3. The dovetail recess D, in combination with the lugs *a a*, substantially in the manner and for the purpose herein set forth.

The foregoing specification of our improved manner of attaching straps to buckles, snap-hooks, skate-rings, &c., signed by us, this 7th day of June, A. D. 1869.

THEODORE BAILEY.

H. H. YOUNG.

Witnesses:

G. A. TERRETT,

WILLIAM G. BAILEY.