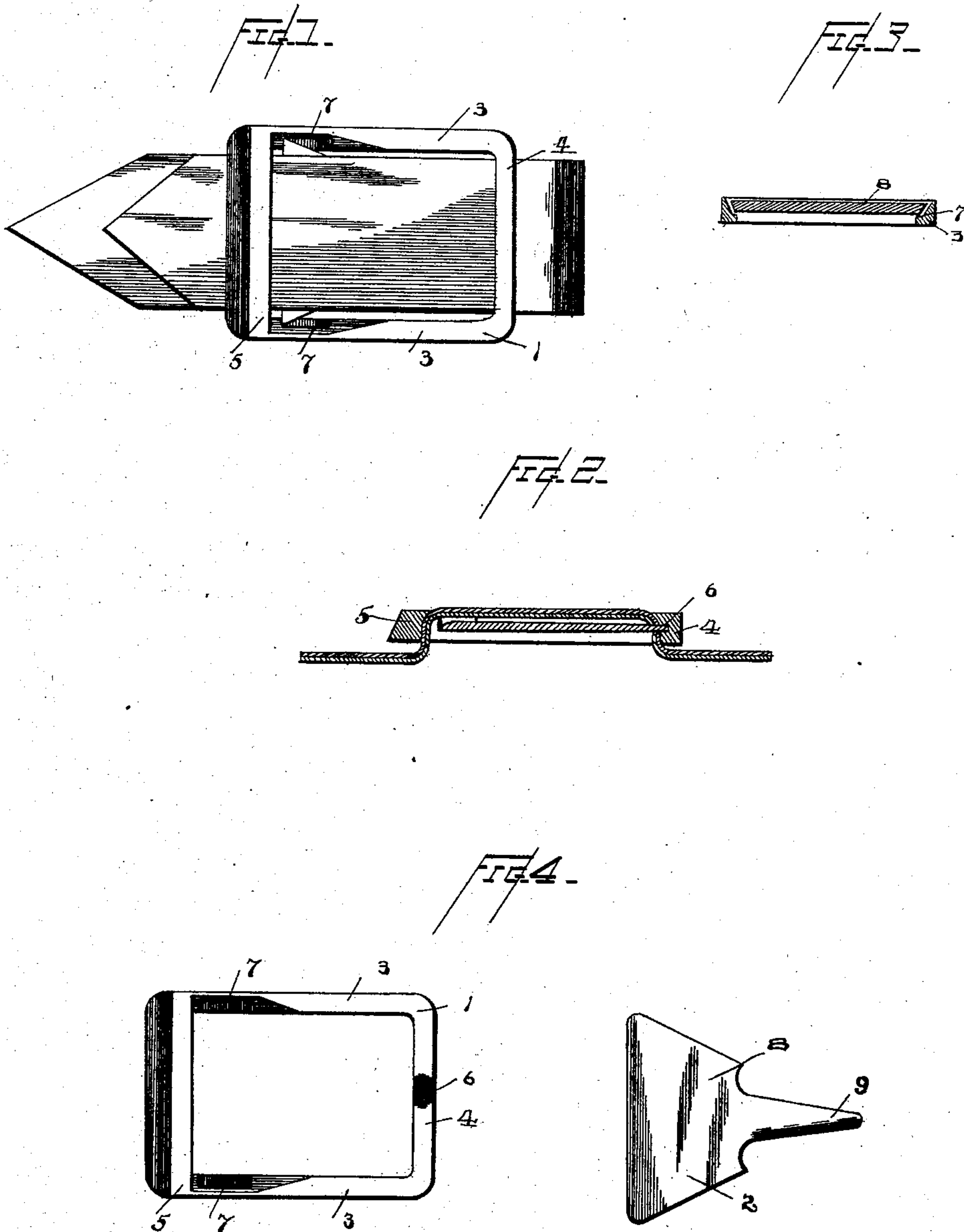


(No Model.)

W. A. MITCHELL.
BUCKLE.

No. 605,114.

Patented June 7, 1898.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM A. MITCHELL, OF WEAVERVILLE, NORTH CAROLINA.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 605,114, dated June 7, 1898.

Application filed July 8, 1897. Serial No. 643,872. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. MITCHELL, of Weaverville, in the county of Buncombe and State of North Carolina, have invented certain new and useful Improvements in 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.

The object of this invention is to provide a simple, cheap, and effective buckle or device for connecting the ends of a strap, and is especially adapted for connecting the ends of a strap that may have become broken or extend the length of a strap by adding a section thereto.

To these ends and to such others as the invention may pertain, the same consists in a buckle comprising a rectangular frame having a recess in the inner side of one of the cross-bars and recesses in the upper part of the side bars adjoining the opposite cross-bar, in combination with an independent plate comprising a cross-bar and a tongue extending therefrom, the latter engaging the recess in the cross-bar of the rectangular frame, while the cross-bar of the plate is adapted to be seated within the recesses of the side bars.

In the following specification I have entered into a detail description of the invention, reference being had to the accompanying drawings and to numerals thereon, which designate the different parts, and what I consider to be the novel features of construction are specifically set forth in the claim.

In the drawings forming part of this specification, Figure 1 is a view showing the application of my invention. Fig. 2 is a longitudinal sectional view through Fig. 1. Fig. 3 is a transverse sectional view. Fig. 4 is a view with the parts of the buckle detached.

Referring to the drawings by numerals, 1 designates the rectangular frame or main part of the buckle, and 2 the attachment or part which engages the rectangular frame and holds the straps in engagement therewith. The rectangular frame of the buckle consists of the side bars 3 3 and end cross-bars 4 and 5, the cross-bar 4 being provided centrally with a recess 6, located at the inner side thereof. The side bars 3 3 of the frame

are provided with recesses 7 7 on one side adjoining the cross-bar 3, and the said cross-bar is preferably disposed at an angle with respect to the other part of the frame, as shown.

In connection with a frame constructed as hereinbefore described I provide a plate 2 independent therefrom and consisting of the cross-bar 8, adapted to extend across the frame and fit within the recesses 7 7 in the side bars thereof, a tongue projecting from the central portion of the bar 8 of a length to engage the recess 6 of the cross-bar 4 of the rectangular frame when the plate is placed in engagement therewith.

In the application of my invention the ends of the straps are passed upward through the frame, and the tongue 9 of the plate 2 is passed through apertures therein to engage the recess 6 of the cross-bar 4, after which the straps are passed over the cross-bar and down through the frame. Then by pulling upon the strap the plate will be brought into the recesses 7 and hold the tongue in positive engagement with the recess 6. This provides a buckle very similar to one of ordinary construction, with the exception that the plate is separable from the rectangular frame and the latter recessed to receive the same. One of the advantages of a buckle of this construction is that the tongue is held in positive engagement with the rectangular frame and being passed through the strap will hold the same securely, there being no chance of the end of the tongue slipping out of the perforations in the straps. Therefore the particular construction of the buckle provides one that is especially adapted for connecting straps to each other without liability of their slipping after being applied to the buckle. When the plate is in engagement with the rectangular frame, rearward movement of the same is limited by the end wall of the slot, which will prevent the tongue being moved out of engagement with its recess by a sliding movement of the plate. It will also be noted that the cross-bar is inclined so as not to present a sharp bend in the strap.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A buckle for the purpose set forth, consisting of a rectangular frame having a recess in

the inner side of one of the end cross-bars and
recesses in the side bars near the opposite
cross-bar, the latter being disposed at an in-
clination with respect to the frame, as shown;
5 together with an independent plate present-
ing a cross-bar which engages the recesses in
the side bars of the frame and a central tongue
which engages the recess in the end cross-bar,
the parts being placed in engagement with

the straps, substantially as herein shown and
described.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

WILLIAM A. MITCHELL.

Witnesses:

ED. F. VANDIVER,
H. B. VANDIVER.