June 3, 1958 S. WILLIAMS 2,836,871

BELT BUCKLE

Filed Jan. 28, 1958

Fig. 1.

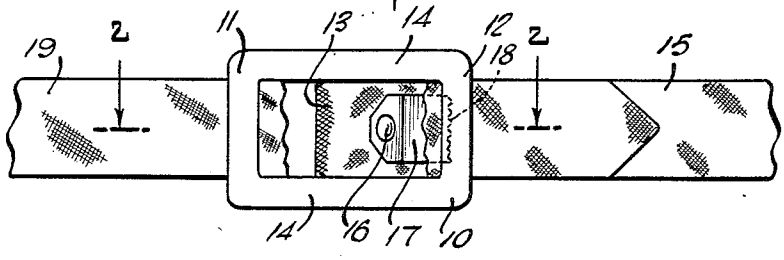


Fig. 2.

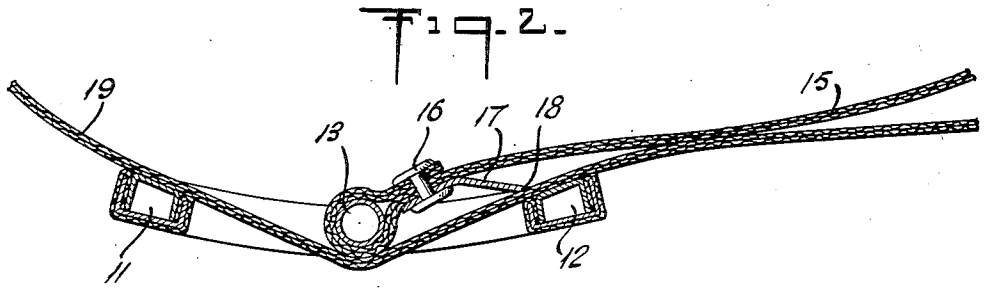
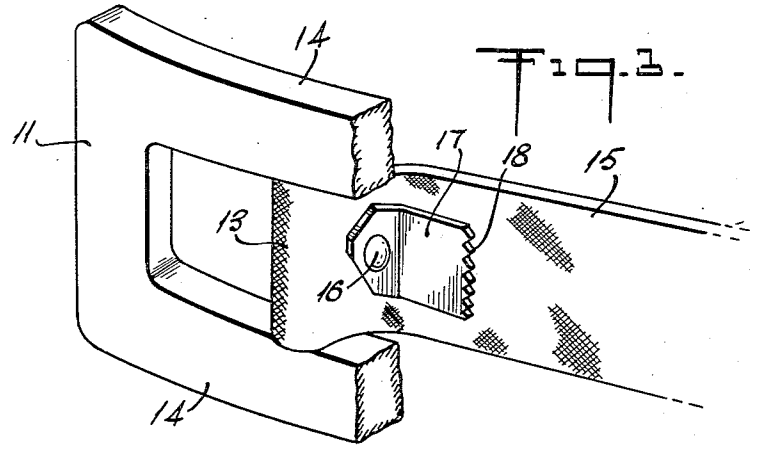


Fig. 3.



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BELT BUCKLE

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2 Claims. (Cl. 24—170)

This invention relates to a buckle, particularly designed for use with fabric covered belts.

This invention relates particularly to the type of belt in which the free end of the belt is retained by a finger which is attached to the belt itself, and which locks the belt against the buckle frame.

It is an object of this invention to provide a buckle of the character described which is quite simple to manufacture and assemble, and which nevertheless will grip the belt firmly, and which is easy to release.

The invention is shown in the accompanying drawings, in which Figure 1 is a front view of the belt with the buckle upon it, but with the free end of the belt broken away in the middle to show the retaining mechanism.

Figure 2 is a central section on the line 2—2 of Figure 1.

Figure 3 is a perspective view of the buckle frame with the belt and the leaf attached, but with part of the buckle frame away, to show the retaining leaf.

In the drawings, the numeral 10 represents a rectangular hollow frame with the end bars 11 and 12, and a center bar 13. 14 represents the horizontal bars which complete the frame.

Preferably, the bars 11, 12 and 14 will be fabric covered, as is usual in this type of belt construction.

The captive end of the belt at 15 is carried around the center bar 13 and is riveted by a rivet 16 in the usual manner. The rivet 16, however, also attaches to the belt at that point leaf 17, which is bent outwardly, as shown, toward the bar 12, and which may carry engaging teeth 18.

This leaf is firmly attached to the rivet 16, and is of such length that, when the free end of the belt 19 is inserted through the frame below the bars 11 and 12, but above the bar 13, the leaf 17 will engage the underside of the belt, preferably substantially at the inner edge of the bar 12, and clamp against said bars. This leaf terminates, however, slightly short of the inner edge of the bar 12, so that the pressure of the leaf is against the surface of the belt somewhat inside of the bar 12. In this way the strain upon the belt will tend to move leaf 17 down past the free edge of the bar 12, just enough to engage the belt firmly without undue bending of the belt.

The leaf is preferably provided with teeth 18, so that the belt will help carry the leaf to a locking position.

If the leaf 17 were too long, its pressure would be against the frame face of the bar 12, and it would need to rely upon the engagement of the teeth 18 in the underface of the belt, which would tend to tear the surface of the underfacing of the belt at that point, while at the same time not giving very firm gripping action.

If, on the other hand, the leaf were too short, the wedging action between the leaf 17 and the bar 12 would be lacking.

One of the distinct advantages of this type of belt lies in the fact that the belt or leaf may be assembled together in operative form by a single rivet, and in the operation of the belt no attention need be paid to the leaf 17, as it is automatically moved out of the way while the free end of the belt is inserted, and it automatically assumes locking position as the parts are released.

I claim:

1. A buckle of the character described comprising a rectangular frame having a central cross bar, a belt having one end passing around said cross bar, and held by a rivet, a leaf fastened to said belt by said rivet and extending forwardly and outwardly at an angle from said belt, said leaf being of a length to extend substantially to the inner edges of the buckle frame, whereby when the free end of the belt is inserted through said buckle the outer end of said leaf will lock the belt against the inner side of the outer bar of the frame.

2. A buckle of the character described comprising a rectangular frame having a central cross bar, a belt having one end passing around said cross bar, and held by a rivet, a leaf fastened to said belt by said rivet and extending forwardly and outwardly at an angle from said belt, said leaf being of a length to extend substantially to the inner edge of the buckle frame, whereby when the free end of the belt is inserted through said buckle the outer end of said leaf will lock the belt against the inner side of the outer bar of the frame, said leaf being serrated upon its outer edge to give a firm grip upon the belt.

No references cited.