Nov. 14, 1950 A. BIERY 2,529,906

BELT BUCKLE

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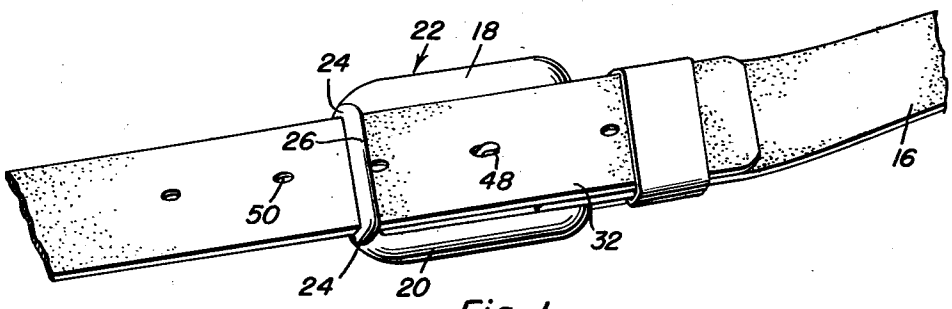


Fig. 1.

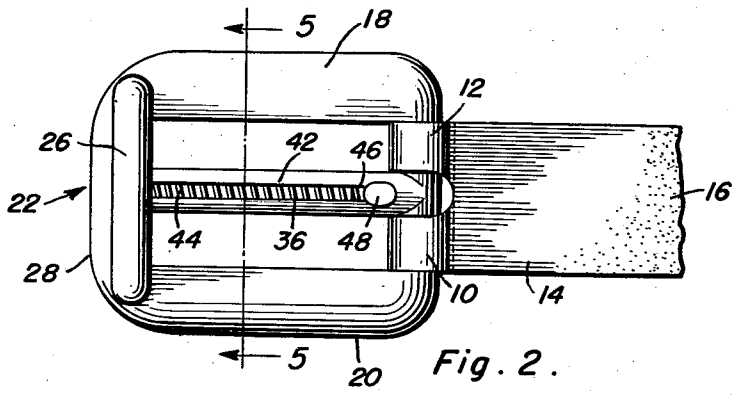


Fig. 2.

Fig. 3.

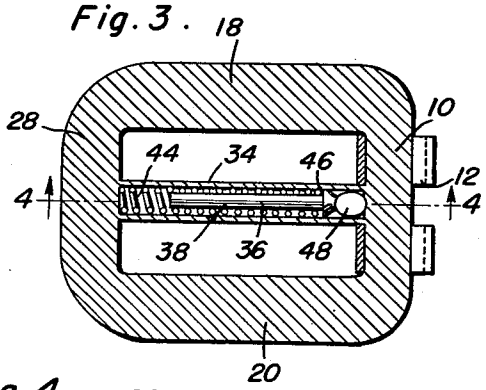


Fig. 4.

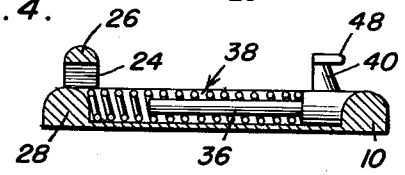
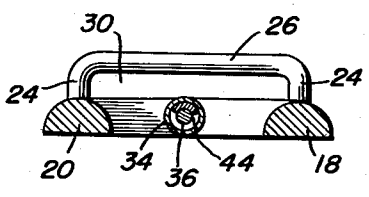


Fig. 5.



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BELT BUCKLE

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2 Claims. (Cl. 24—163)

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This invention relates to new and useful improvements in belt buckles and the primary object of the present invention is to provide a belt buckle including novel and improved means for anchoring the ends of a belt to the same in order to permit limited movement of one attached end of the belt relative to the said buckle.

Another important object of the present invention is to provide a belt buckle including a guide track and novel and improved means slidably carried by the guide track for lockably engaging one of a plurality of longitudinally spaced openings provided in the free end of a belt.

A further object of the present invention is to provide a resilient connection between a belt and buckle so designed as to permit slight increase of the circumference of the circular area defined by the belt being worn, so that the same will comfortably embrace the waist of a wearer.

A still further aim of the present invention is to provide a belt buckle that is simple and practical in construction, small and compact in structure, strong and reliable in use, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary perspective view of a belt and showing the present buckle applied thereto;

Figure 2 is a top plan view of the present buckle attached to one end of a belt;

Figure 3 is view similar to Figure 2 and with parts broken away and shown in section;

Figure 4 is a longitudinal vertical sectional view taken substantially on the plane of section line 4—4 of Figure 3; and,

Figure 5 is a transverse vertical sectional view taken substantially on the plane of section line 5—5 of Figure 2.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents an attaching arm that is fixedly secured to a sleeve 12 at one end 14 of a suitable belt 16. Integrally formed with the terminals of said arm 10, are the spaced parallel leg portions 18 and 20 of a substantially U-shaped yoke which is designated generally by the numeral 22.

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Rigidly secured to the yoke 22, are the leg portions 24 of a substantially U-shaped retaining member 26 whose web portion is spaced parallel to the web portion 28 of the yoke 22, to define a guide opening 30 that slidably engages the free end 32 of the belt 16.

Secured by welding or the like to the opposing inner peripheries of the attaching arm 10 and the web portion 28 of the yoke 22 is preferably a tubular guide track 34 that slidably engages the longer leg 36 of a substantially L-shaped slidable lock member 38. The shorter leg 40 of this locking member 38 is slidably positioned in a longitudinal guide slot 42 provided in said guide track 34.

Frictionally positioned in the guide track 34, is a coil spring 44 that loosely embraces the longer leg 36 of the member 38 and which is biased between the web portion 28 of the yoke 22 and an annular shoulder 46 on the leg 36, for normally urging the shorter leg 40 of member 38 into frictional engagement with the attaching arm 10.

It should be noted that the shorter leg 40 of the slidable member 38 is substantially frusto-conical and that the same is formed with an outwardly projecting retaining lip or flange 48.

In practical use of the device, a plurality of longitudinally spaced openings 50 are provided in the free end 32 of the belt 16. The free end 32 is then slipped into the guide opening 30, so that a selected opening 50 is engaged with the shorter leg 40 of the member 38 with the retaining lip 48 overlying the outer face of the belt to prevent disengagement of the free end 32 of the belt with the shorter leg 40.

Obviously, should the person wearing the belt exhale or exert himself, the slidable member 36 may move toward the web portion 28 of the yoke 22 to permit a slight increase of the circumference or circular area of the belt 16 to accommodate such an exertion.

Although, as shown in the drawings, this belt buckle is applied between the ends of a belt in such a manner as to permit a slight increase in the circumference or circular area of the belt, it should be noted that the same may be applied between any two free ends of a length of wire, rope, chain or the like, whereby the said element on which the present invention is applied will be adapted to expand or be stretched slightly.

In view of the foregoing descripiton taken in conjunction with the accompanying drawings it is believed that a clear understanding of the construction, operation and advantages of the device

will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention what is claimed as new is:

1. A belt buckle comprising an open, substantially rectangular frame, a tubular guide paralleling the longer sides of the frame and having end portions integrally formed with the shorter sides of said frame, said guide having a longitudinal slot therein, a substantially L-shaped member having its longer leg received in said guide for sliding movement, the shorter leg of said L-shaped member being slidably received in said slot, a lip integrally formed with the shorter leg of said L-shaped member, a shoulder provided on the longer leg of said L-shaped member, a coil spring embracing the longer leg of said L-shaped member and biased between said shoulder and one side of said frame to urge said L-shaped member in one direction, and a substantially U-shaped guide having its leg portions rigidly secured to said frame, the web of said U-shaped guide overlying and being spaced laterally from one side of said frame to define a belt receiving opening.

2. A belt buckle comprising a belt engaging arm, a substantially U-shaped yoke having its end portions integrally formed with said arm, a tubular guide integrally formed with the web

of said yoke and said arm, said guide being spaced between the legs of said yoke, said guide having an outer surface substantially coplanar wth one face of said yoke, a longitudinal guide slot provided in the outer surface of said guide, a substantially L-shaped member having its longer leg received in said guide for sliding movement, the shorter leg of said L-shaped member being substantially frusto-conical and having a lip portion overlying the guide, the shorter leg of said L-shaped member being slidably received in said slot, a coil spring embracing the longer leg of said L-shaped member, a shoulder provided on the longer leg of said L-shaped member, said spring being biased between said shoulder and the web of said yoke for urging said L-shaped member toward said arm, and a rigid guide fixed to and overlying the web of said yoke to define a belt receiving opening.

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