United States Patent [19]

Blake

[11] **3,883,928**

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[54] **BELT BUCKLE**

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[52] **U.S. Cl.** ..... **24/163 R;** 24/168; 24/265 BC; 24/265 R; 24/206 R

[51] **Int. Cl.** **A44b 11/06;** A44b 11/20

[58] **Field of Search** ..... 24/265 R, 265 BC, 265 BH, 24/168, 163

[56] **References Cited**

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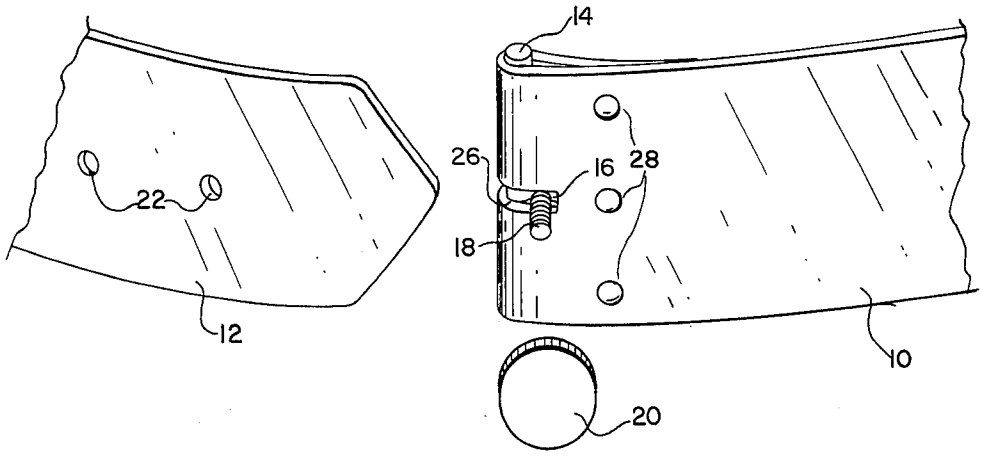
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Primary Examiner—Bernard A. Gelak
Attorney, Agent, or Firm—Walter S. Pawl

[57] **ABSTRACT**

The belt buckle is composed of a simple pin for mounting in the yoked loop end of the belt which normally holds the buckle shaft from which the tongue is extended to enter a selected hole in the other end of the belt. The pin has a lug on its side which is tapped to threadedly receive the tongue bolt so that it passes through the slot in the yoked loop end of the belt. The tongue bolt is tightened into this lug from the back of the belt so that it protrudes normally to the front face of the belt for receiving a nut after the other end of the belt has been pulled up for the tongue bolt to enter the selected hole in its pierced end, to clamp the belt ends together. This nut may be capped and may be provided with any suitable ornaments if desired, and may be round, oval or any other shape for easy handling.

5 Claims, 2 Drawing Figures



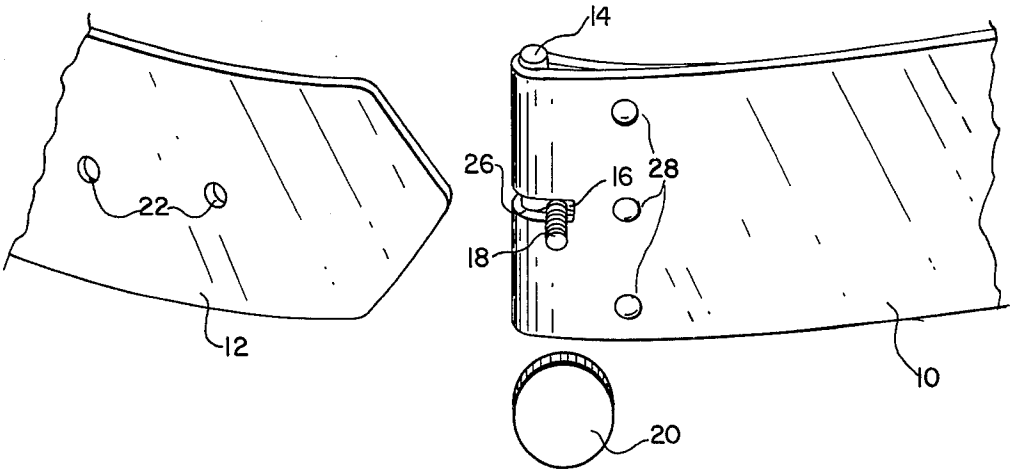


FIG. 1

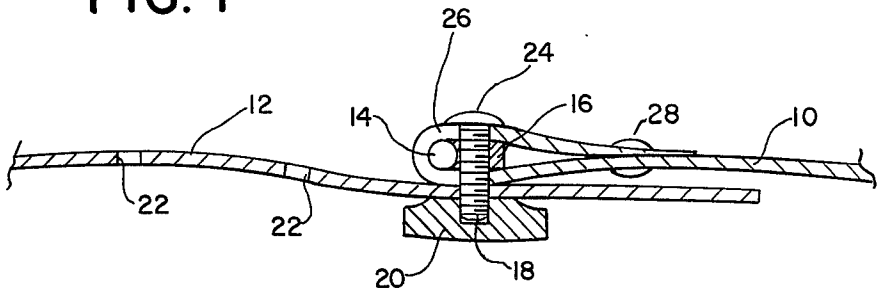


FIG. 2

BELT BUCKLE

The applicant while engaged in heavy construction work, has observed the need for stronger belt buckles, since the buckles of the common type of belts frequently broke on the job, when put to excessive stress, and the user had to be excused until he could find a replacement for his buckle or belt.

On occasion there was no time to get a replacement, so he tried to rig up a temporary replacement of the buckle by using materials near at hand. He thus found he could make an unusually strong buckle by passing a bolt through the yoked loop end of the belt and passing another bolt through the slot in said yoke at the inside of the first bolt, using the protruding end of the second bolt as a tongue over which the pierced end of the belt could be clamped firmly by turning a nut down on the protruding end of said second bolt, to form an unusually strong connection that withstood a loading of over 1,500 pounds without hardly deforming the belt hole through which the tongue bolt was passed.

He further noticed that the clamping nut could be capped with a large attractively ornamented head of various designs which would appeal to the present day users while also being of a shape to make it easy to handle the nut and tighten it well if necessary.

The object of this invention is therefore to make a belt buckle of unusual strength and adaptable for receiving a variety of ornamentally capped clamp nuts that may appeal to different individual tastes in design, as illustrated in the accompanying drawing, wherein:

FIG. 1 shows the buckle and the opposite ends of the belt with a round capped clamp nut, and

FIG. 2 is an axial cross-section thereof in buckled condition.

DETAILED DESCRIPTION OF THE INVENTION

This buckle may obviously be used as a replacement for the broken buckle on an old belt, or as the original in a new belt.

The drawings, for purposes of illustration, show only one specific form of the invention, but there are many other ways that it may be made without departing from the spirit and scope of this invention.

As shown, the buckle is composed of a pin **14** which has a lug **16** at its inner side, which extends across the slot **26** in the looped end of the belt. The edges of this lug lap over the edges of the slot **26**, so that when the capped clamp nut **20** is tightened on the tongue bolt **18** over the pierced end of the belt **12** after passing the protruding end of the tongue bolt through a selected hole **22** the ends **10** and **12** of the belt will be clamped together in the area around the tongue bolt, as may be seen in FIG. **2**.

The tongue bolt **18** is shown as being threaded through the lug **16**, but it may be held therein in any other way or may even be fixed directly to the side of the pin **14**, as by welding; and the pin **14** could be made flat instead of round, so as to reduce the overall thickness of the clamped belt ends.

The tongue bolt **18** is further shown as having a rounded head **24**, but it could have a thin flat head or even no head at all if it is firmly fixed in the lug **16** or directly to the pin **14**.

28 are the conventional rivets used in forming the looped end of the belt. The clamp nut **20** is shown with a simple round head, but this head could be oval or any other decorative shape that can be easily handled and be attractive in design at the same time.

What is claimed is:

1. A belt buckle for a belt having a pierced end and a yoked loop end with a central tongue slot through which the tongue normally extends from its shaft which is held in the yoked loop of the belt, comprising

a pin mounted in said yoked loop and

a bolt extending through said slot at the inner side of said pin and forming a tongue protruding normally from the face of said loop end of the belt for receiving said pierced end at a selected hole therein, and

a clamp nut for mounting on the protruding end of said bolt to clamp said belt ends together in buckled position.

2. A belt buckle as defined in claim **1**,

said pin having a lug extending from its inner side into said slot with a guide hole for said bolt which is passed therethrough to form said tongue.

3. A belt buckle as defined in claim **1**,

said clamp nut having an ornamental cap of suitable size and shape to be readily handled, and

the bolt and nut having a thread of high pitch to enable quick clamping with minimum turning of the clamp nut.

4. A belt buckle as defined in claim **2**,

said guide hole being threaded for receiving the thread of said bolt.

5. A belt buckle as defined in claim **2**,

said lug being extended to lap over the edges of said slot within the loop end of the belt.

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