April 1, 1930. C. H. BURNETT 1,752,414

BELT BUCKLE

Filed July 12, 1929 2 Sheets-Sheet 1

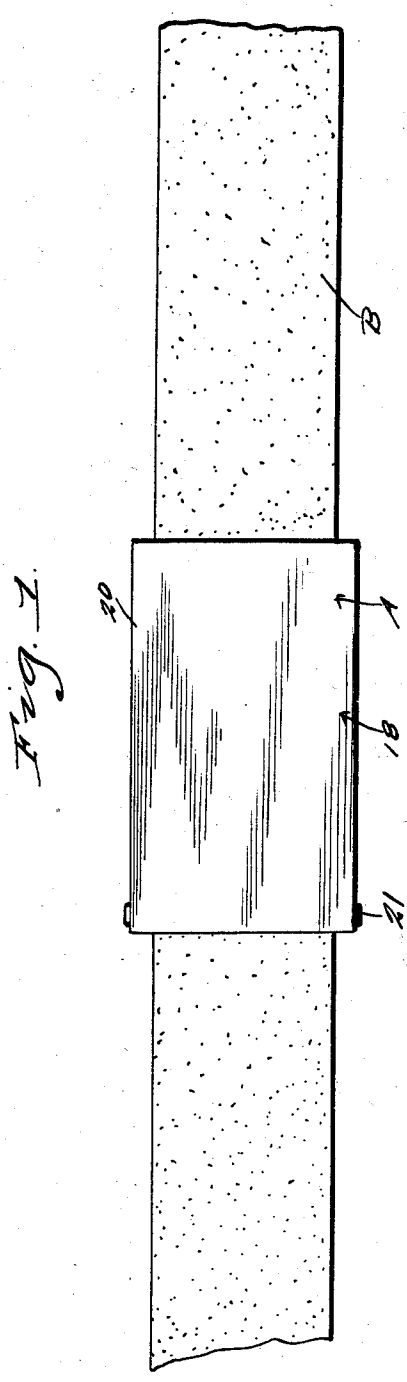


Fig. 1.

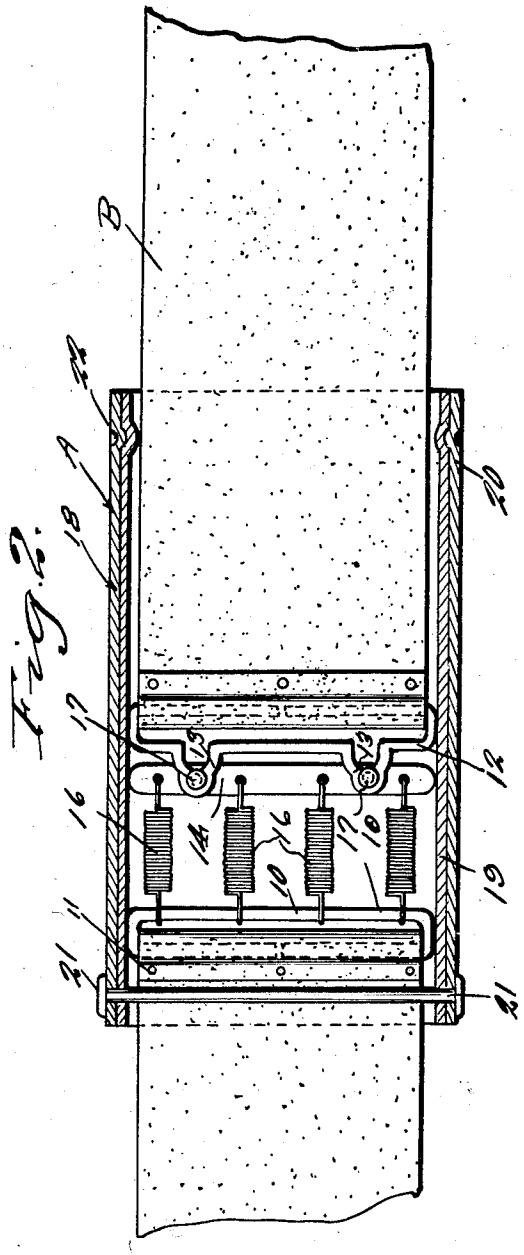


Fig. 2.

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BELT BUCKLE

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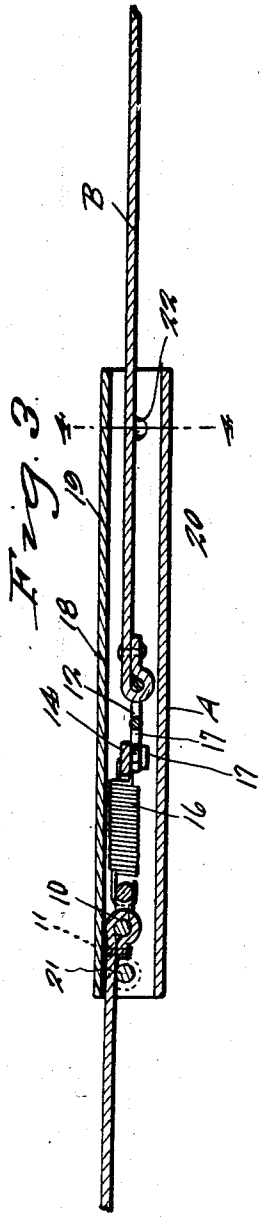


Fig. 3.



Fig. 5.

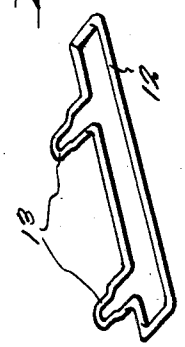


Fig. 6.

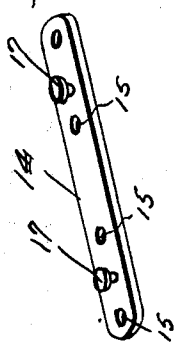


Fig. 2.

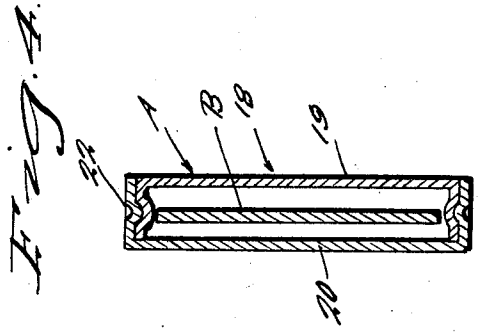


Fig. 4.

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UNITED STATES PATENT OFFICE

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BELT BUCKLE

Application filed July 12, 1929. Serial No. 377,891.

This invention relates to wearing apparel and more particularly to a belt buckle for supporting men's trousers and the like.

One of the primary objects of my present invention is to provide an improved belt buckle whereby the ends of a belt may be quickly connected together and whereby the belt is permitted to give with the movement of the body on the user.

The common belt now generally worn has been recognized by physicians as being detrimental to the health of the wearer, due to the inelasticity thereof and the constant pressure of the belt on the vital organs of the wearer.

It is therefore a prime object of my invention to provide novel resilient means incorporated in the belt buckle for allowing the belt to give with the wearer and to prevent undue pressure on any part of the body of the user, the belt also acting in the nature of a support for the adult.

A further object of my invention is to provide a novel belt buckle embodying loops connected with the ends of the belt, one of the loops being provided with socket catches for engaging the headed lugs on a cross bar, which is in turn resiliently connected with the other loop, the parts of the buckle mentioned being housed within a novel protecting shell which can be of any desired ornamental character.

A still further object of my invention is to provide an improved belt or buckle of the above character, which will be durable and efficient in use, one that will be simple and easy to manufacture, and one which can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, in which drawings:

Figure 1 is a front elevation of my improved belt buckle connected with the end of a belt.

Figure 2 is a longitudinal section through the belt buckle showing the parts in their connected positions.

Figure 3 is a longitudinal section through the belt buckle taken at right angles to Figure 2.

Figure 4 is a detail transverse section through the belt buckle taken on the line 4—4 of Figure 3.

Figure 5 is a detail perspective view of one of the loops carried by one end of the belt.

Figure 6 is a perspective view of the other loop carried by the opposite end of the belt, and

Figure 7 is a detail perspective view of the attaching bar.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A generally indicates my improved belt buckle and B a belt with which the same may be associated.

The belt B may be made of leather or any other desired material.

My improved buckle A comprises a loop 10, which may be made of wire of the desired gauge and around which is folded one end of the belt C, the bolted end of the belt being suitably disposed or secured in place as at 11. The opposite ends of the belt have connected thereto in a similar manner, an elongated loop 12, which can also be formed of wire. The front bar of the loop 12 is provided with U-shaped restricted socket arms 13, for a purpose which will be later described.

Arranged forwardly of the loop 10 is a flat attaching bar 14 provided with a plurality of spaced openings 15 and this bar is connected to the loop 10 by a plurality of coil springs 16, the ends of the springs being placed about the loops 10 and through the openings 15. The attaching bar 14 is provided with headed studs 17, which are adapted to be engaged by the restricted socket arms 13, which forms a means for detachably connecting the ends of the belt together.

In order to enhance the appearance of the belt buckle and to provide a housing for the spring and loop, I provide a shell 18 embodying end sections 19 and 20. The sections 19 and 20 are of a substantially U-shape in cross section and have the flanges thereof

connected together at one end by a transversely extending pivot pin or rod 21 which extends across the belt in rear of the loop 10, which loop holds the shell or casing in proper position on the belt. The flanges of the sections 19 and 20, adjacent to the opposite ends thereof from the pivot pin 21 are provided with mating thrust in pits 22, which are adapted to bring one within the other when the sections of the shells are moved to a closed position as shown in Figures 3 and 4 of the drawings. This effectively holds the sections of the shells in their closed positions. It is obvious that when it is desired to disconnect the ends of the belt, it is merely necessary to pull the sections 19 and 20 apart from the pivot pin 21, after which the loop 12 can be grasped for moving the socket arms 13 off of the headed studs 17,

It is obvious from the foregoing that the coil springs 16 will permit the belt to give with the body of the wearer and thereby effectively prevent injury to the wearer.

Changes in details may be made without departing from the spirit or scope of this invention.

What is claimed is:

1. A belt buckle comprising a pair of transversely extending loops connected with the ends of the belt, an attaching bar, headed studs carried by the attaching bar, coil springs connecting the attaching bar to one of said loops, and socket arms carried by the other loop for detachable connection with said headed studs.

2. A belt buckle comprising a pair of transversely extending loops connected with the ends of the belt, an attaching bar, headed studs carried by the attaching bar, coil springs connecting the attaching bar to one of said loops, and socket arms carried by the other loop for detachable connection with said headed studs, and a sectional sill carried by one end of the belt for housing the springs, loops and attaching bar.

3. In a belt of the character described, transversely extending elongated loops connected with the ends of a belt, an attaching bar provided with headed studs, a plurality of coil springs connecting the attaching bar to one of the loops, contracted socket arms carried by the other loops for detachably receiving said socket heads, and a shell including a pair of companion sections hingedly connected together and carried by one end of the belt for housing said loop, springs, and attaching bar, and means detachably connecting the sections of the shell together at the opposite ends thereof from said pivot points.

In testimony whereof I affix my signature.

DR. CLARENCE H. BURNETT.