B. H. WHITE.

BUCKLE.

APPLICATION FILED DEC. 4, 1916.

1,306,091.

Patented June 10, 1919.

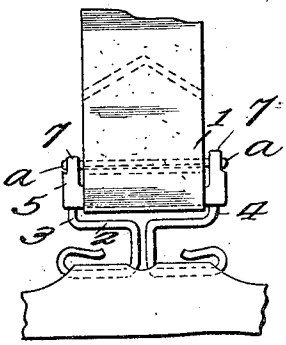


Fig. 1.

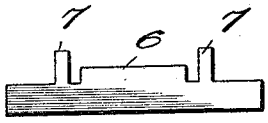


Fig. 3.

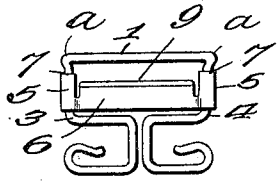


Fig. 2.

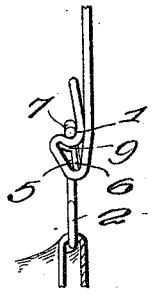


Fig. 4.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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BUCKLE.

1,306,091. Specification of Letters Patent. Patented June 10, 1919.

Application filed December 4, 1916. Serial No. 134,922.

To all whom it may concern:

Be it known that I, BIRDORA H. WHITE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented 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.

My invention relates to buckles, and particularly to buckles used in connection with garment supporters and adapted to be adjusted on the ends of the hanging webs thereof.

The object of my invention is to provide a buckle having a slidable clamping-plate which is prevented from releasing the clamped web or fabric of a garment-supporter when the position of the wearer thereof is such as to cause the same to become slack or loose. This I accomplish by the means hereinafter fully described, and as particularly pointed out in the claim.

In the drawings:

Figure 1 is a front view of fragmentary portions of the pendent end of the hanging web of a garment supporter, and of the garment supported thereby, showing my improved buckle connecting the same.

Fig. 2 is a front elevation of said buckle.

Fig. 3 is a plan view of the templet from which the clamping-plate is made.

Fig. 4 is an end elevation of the same.

Referring to the drawings, it will be observed that the body of the supporting-frame of my improved buckle is of an open rectangular shape. I prefer to make this supporting-frame from a single stretch of wire, which is bent so as to provide an upper transverse bar 1, and vertical side members 3 and 4 and a lower transverse bar 2. I prefer to make the lower transverse bar 2 by bringing the branches of the wire after they leave the vertical side portions of the buckle into transverse alinement, substantially as shown in Fig. 2, and prefer to terminate them at about the center of width of the supporting-frame. If desired, however, the said branches of the wire constituting said lower transverse bar may not terminate at the center of width of the buckle, but may be bent downward parallel to each other a suitable distance to form a neck and then be bent laterally away from each other and formed into hooks, substantially as shown and described in my copending application for Letters Patent of the United States.

The upper transverse bar 1 of said supporting-frame has its ends extended beyond the vertical axis of sides 3 and 4 and bent so as to form the terminating angles thereof into shoulders *a*, *a*. Interposed between the vertical sides of the supporting-frame is a transversely disposed clamping-blade 6, which is adapted to be moved up and down so that its upper straight edge can engage or coöperate with transverse bar 1. The ends of this clamping-blade are provided with tubular guides 5, 5, that are slidably mounted on sides 3 and 4 of the supporting-frame, and these guides have fingers 7, 7, projecting upwardly therefrom, whose upper ends are bent toward the sides of the supporting-frame and engage the same, and when the said blade 6 reaches the limit of its upward movement, these fingers are adapted to snap or hook over the shouldered ends of the upper transverse bar and hold the blade from involuntarily moving downward.

The operation of my improved buckle is such that when the clamping-blade is at the limit of its upward movement it will securely clamp the web depending from the garment supporter in connection with which it is to be used. When it is desired to release the same, the hooked ends of the fingers are forced off shoulders *a*, *a*, by hand, whereupon the release of the fabric is easily accomplished.

In order to assist in preventing the curved hooked upper ends of fingers 7, 7, from slipping off of shoulders *a*, *a*, I prefer to bend the upper edge of the clamping-blade rearwardly, substantially as shown in Fig. 4 of the drawings. When the web to which the buckle it attached is threaded rearwardly between the lower edge of the clamping-blade and lower transverse bar 2 of the supporting-frame; then up to and over the flanged edge 9 of said blade, and then forwardly between the same and upper bar 1 of said frame, substantially as shown in Fig. 4 of the drawings, the greater the strain or load on the buckle, the greater the webbing will pull rearwardly and downwardly

upon flange 9 of the clamping-blade and the tighter the curved upper ends of fingers 7 will hold upon shoulders *a*—*a*.

What I claim as new is:

A buckle comprising a rectangular open frame the ends of the upper transverse bar of which are provided with shoulders, a laterally disposed vertically movable transverse clamping-plate having suitable guides on its ends that are slidably mounted on the vertical sides of said frame, and fingers projecting upward from said guides that are adapted to engage the shouldered ends of the upper transverse bar of said frame.

BIRDORA H. WHITE.

Witnesses:

LYNNORA A. HOLMAN,

HELEN WHITE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."