

E. N. HUMPHREY.
SLIDE BUCKLE.
APPLICATION FILED JUNE 2, 1911.

1,012,082.

Patented Dec. 19, 1911.

Fig. 1.

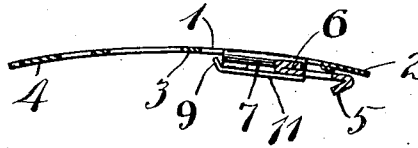


Fig. 2.

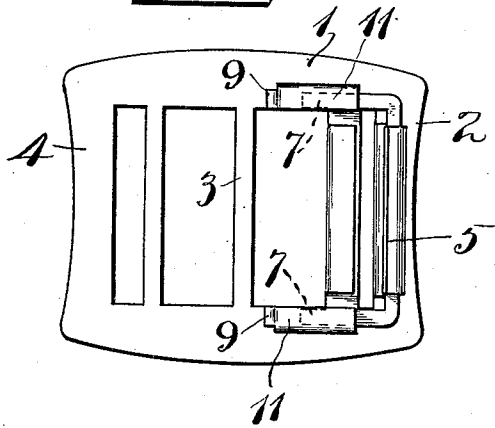


Fig. 3.

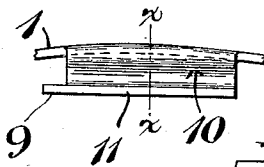


Fig. 4.

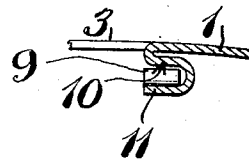
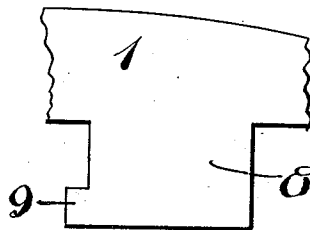


Fig. 5.



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UNITED STATES PATENT OFFICE.

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SLIDE-BUCKLE.

1,012,082.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ERNEST N. HUMPHREY, a citizen of the United States, residing at New Britain, Hartford county, State of Connecticut, have invented certain new and useful Improvements in Slide-Buckles, of which the following is a full, clear, and exact description.

My invention relates to improvements in slide buckles.

The object of the present invention, broadly speaking, is to provide in a buckle of this type an effective slide support or guide.

Another object is to provide simple means for securing the slide in place.

In the accompanying drawings, Figure 1 is a longitudinal central section of my improved buckle. Fig. 2 is a rear elevation thereof. Fig. 3 is a relatively enlarged view of a part of one edge of the buckle frame, showing the slide support. Fig. 4 is a section on the line $x-x$, Fig. 3. Fig. 5 is a development of part of the buckle frame before the slide support is formed.

The frame is made from sheet metal and includes two side bars 1—1, a front end-bar 2 and an anchorage-bar 3, to which latter the fixed end of a belt (not shown) may be attached. In the preferred form, the side-bars 1—1 extend rearwardly beyond the anchorage bar 3 to provide a tuck-loop bar 4 opposite to the front end-bar 2. The slide is preferably formed from sheet metal having a transverse slot therein constituting a strap passage. Said slide is so constructed as to provide a forward draw-bar 5 and a clamping-bar 6 so that when the belt is in place and under tension, it will pull on the draw-bar 5 and draw the slide forwardly so as to clamp the belt in the usual way against the front end-bar 2.

7—7 are tail-pieces extending rearwardly at the opposite edges of the slide to give a longer bearing thereto, said tail-pieces being by preference provided.

It is obvious that if the buckle frame 1 is provided with a bulged or irregular surface formed by stamping the metal forwardly from the rear, no smooth guide-support or guide-way for the slide would be provided which would permit said slide to work freely and without undue wear. To that end I provide an improved guide for each edge of the slide, which insures a smooth, flat surface for said slide to work

on. Said guide not only furnishes a smooth and proper guide-way for the slide, but also preferably includes means for holding the slide in place. A description of one of said guides and retaining devices will be sufficient. This guide is formed integrally with part of the frame by providing an inwardly extending flap 8, (Fig. 5) said flap 8 by preference having a short rearwardly extending ear 9. This flap 8 is first rolled back to the rear of the buckle frame to form a guide-way or track 10, (see Figs. 3 and 4) which guide-way is flat and smooth irrespective of the surface shape of the frame adjacent thereto. The edge of the flap 8 is then folded in an opposite direction to provide a top-retainer 11 for the slide, a sufficient space being left between said top-retainer 11 and the track 10 to provide proper clearance for the slide when in place. The slide may be inserted from the rear, and when in place, the ears 9—9 are bent down, thereby preventing the slide from being removed from the rear of said guide-way. Any suitable means may be provided to prevent the slide from being pulled out forwardly. In the particular form shown, the clamping bar 6 is raised sufficiently by rolling the same over, as shown in Fig. 1, so that it will strike against the rear edge of the front-bar 2 before the slide can be withdrawn from the guide-way 10. Thus, in a simple manner, an ornamental buckle of sheet metal may be readily and economically struck up and assembled without regard to the cross sectional shape of the exposed part of the buckle-frame.

It should be understood that in the drawings I have not attempted to show a buckle-frame of any particular ornamentation other than that the obverse surface thereof is somewhat convexed, said convexed effect being produced by concaving the inner side. Obviously, even with the concaved inner side, the slide would not be supported by a straight, smooth and uniform track throughout unless a special bearing surface were provided. My invention, therefore, comprehends the provision of means whereby a proper bearing surface, or seat, may be quickly and easily provided in such buckles for the support of the slide.

What I claim is:

1. In a slide buckle, a main frame, a slide carried thereby at the rear thereof, a slide

guide or track for each end of said slide comprising a flap formed integrally with each opposite inner side edge of the buckle frame, each of said flaps being folded back 5 to the rear of the frame to form a smooth, flat seat for said slide, each flap then being folded in an opposite direction to form a top retainer for the slide.

2. In a slide buckle, a main frame, a slide 10 carried thereby at the rear thereof, a slide guide or track for each end of said slide comprising a flap formed integrally with each opposite inner side edge of the buckle

frame, each of said flaps being folded back to the rear of the frame to form a smooth, 15 flat seat for said slide, each flap then being folded in an opposite direction to form a top retainer for the slide, and means to limit the sliding movement of the slide on said track, said means being formed in- 20 tegrally with the aforesaid flap.

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