

980,077.

Patented Dec. 27, 1910.

Fig. 1,

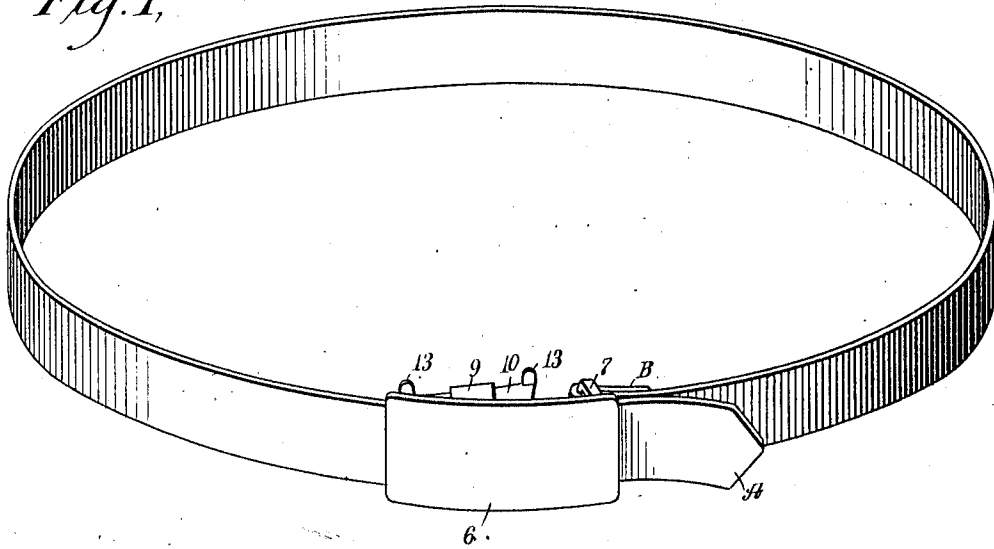


Fig. 2,

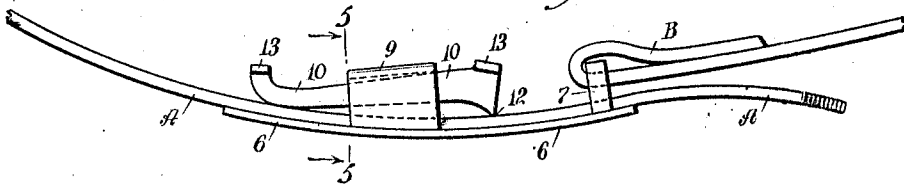


Fig. 3,

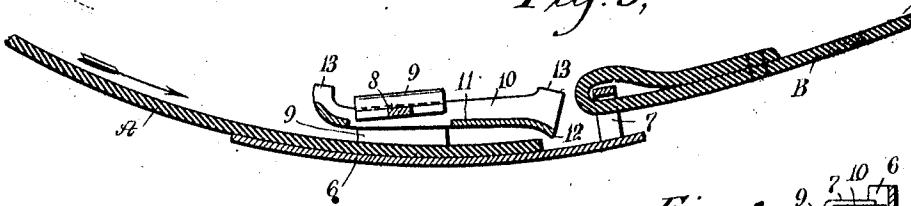
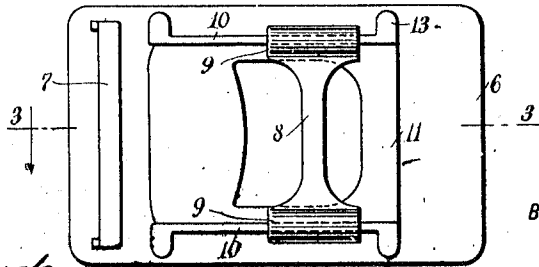


Fig. 4,

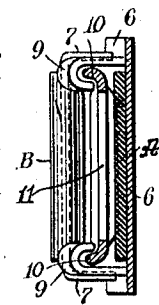


WITNESSES:

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Fig. 5,



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UNITED STATES PATENT OFFICE.

JOHN F. DUNN, OF NEW YORK, N. Y.

BELT-BUCKLE.

980,077.

Specification of Letters Patent. Patented Dec. 27, 1910.

Application filed July 14, 1910. Serial No. 571,886.

To all whom it may concern:

Be it known that I, JOHN F. DUNN, a citizen of the United States, and a resident of the city of New York, borough of the Bronx, in the county and State of New York, have invented a new and Improved Belt-Buckle, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: to provide a buckle wherein the grip on the belt is proportioned to the pulling strain; to provide a construction for the gripping member to make the same more rigid and to afford guides for the operation thereof; and to provide a buckle construction which is effective, simple and durable.

One embodiment of the present invention is disclosed in the structure illustrated in the accompanying drawings, in which like characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view of a belt provided with a buckle constructed and arranged in accordance with the present invention; Fig. 2 is a top view, on an enlarged scale, of fragments of belt connected by a buckle constructed and arranged in accordance with the present invention; Fig. 3 is a longitudinal section of the belt fragments as shown in Fig. 2, and a buckle attached thereto, the section of the buckle being taken on the line 3—3 in Fig. 4; Fig. 4 is a detail view, on an enlarged scale, showing the inner side of the buckle; Fig. 5 is a section taken on the line 5—5 in Fig. 2.

The character of belts to which the present invention is applied is that known as belts for personal wear. One of the chief objects in a buckle designed for such employment is that it provides for some form of ornamentation or decoration. It is for this purpose that I provide a face plate 6, the dimensions whereof are formed to suit the desire or fancy of the trade. The face of the plate 6 offers opportunity for decoration by engraving, embossing or perforating a design in fretwork.

The plate 6 is provided with a holding and guide loop 7. The loop 7 is an elongated bar rigidly secured to the back of the plate 6, as shown particularly in Fig. 4 of the drawings. A second loop is formed by a cross bar 8, which is rigidly secured to the plate 6 at about the median line thereof. The bar 8 is bent at the outer ends to form

raised ridges 9, 9, under which are formed runways or grooves for the upturned edges or flanges 10, 10 of a sliding clamp 11. The formation of the ridges 9, 9 on the cross bar 8 provides a rigid construction for the said cross bar, which, in the present invention constitutes the holding member for the clamp 11.

The clamp 11 is constructed as shown in the drawings, having the upturned edge flanges 10, 10, said flanges being increased in width toward the downturned crimping edge 12 of the clamp 11. The edge 12 is turned down, as shown in Figs. 2 and 3 of the drawings to form a dull tooth for the clamp to seat into the body of the free end A of the belt when the same is drawn under the said clamp. The clamp is provided at either end thereof, and as offsets of the flanges 10, 10 with the retaining tabs 13, 13. The tabs 13, 13 prevent the separation of the clamp 11 from the plate 6, the said tabs extending beyond the side of the bar 8. The tabs also form finger holds for the adjustment of the clamp 11 on the belt.

With a buckle thus constructed, the buckle bearing end B of the belt is secured permanently to the loop 7. After passing the belt about the person, the free end A is introduced under the clamp 11 and over the buckle holding end B of the belt inside the loop 7. The belt is then drawn to the desired snugness, and while so drawn the tabs 13, 13 are taken hold of and moved toward the bar 8 until the edge 12 is in contact with the free end A of the belt. With the release of the belt from the pulling strain of the hand of the person, the free end A is retracted slightly, the clamp 11 traveling with the said free end. With the retraction of the clamp 11 the edge 12 is moved in closer relation with the plate 6, binding more tightly on the free end A of the belt. The extent of the movement of the belt to a firm locking position of the clamp 11 is varied according as the clamp is forced into gripping position prior to releasing the free end A of the belt.

By reason of this construction it will be seen that an exceedingly durable buckle is formed, the wear on the buckle being on the clamp 11 and the cross bar 8. It will also be observed that by reason of the construction wherein is employed the clamp 11 having the tabs 13 so disposed as to be engaged by the fingers of the wearer, the buckle may be loosened without the manipulation of the

belt. In this manner the belt may be adjusted to accommodate the pressure on the belt.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A belt buckle, comprising a face plate having an attaching loop for the buckle holding end of a belt; a cross bar provided with a plurality of upturned curved parallel flanges providing inclined grooves and rigidly secured to said face plate; a clamp plate having wedge shaped upturned bearing flanges formed on the edges thereof, said flanges being extended at the end to form tabs to prevent the said clamp becoming dis-

engaged from said cross bar.

2. A belt buckle, comprising a face plate

arranged to conceal the belt engaging members adapted to be connected therewith; an attaching loop for permanent connection with the end of a belt; a cross bar rigidly connected to said face plate and bent at the lateral extreme to form ridges having guiding grooves therein; and a clamp having a downturned engaging edge arranged to impinge upon the free end of the belt when disposed thereunder, said clamp being provided with lateral upturned sliding flanges.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN F. DUNN.

Witnesses:

E. F. MURDOCK,
PHILIP D. ROLLHAUS.