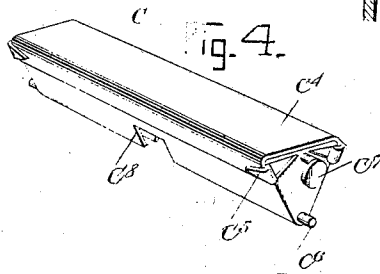
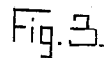


APPLICATION FILED APR. 18, 1911.

Patented May 28, 1912.



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Prof. Boston.

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BY *Mumfles*
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UNITED STATES PATENT OFFICE.

ABRAHAM BIENZENZUCHT, OF NEW YORK, N. Y.

BUCKLE.

1,027,979.

Specification of Letters Patent.

Patented May 28, 1912.

Application filed April 18, 1911. Serial No. 621,750.

To all whom it may concern:

Be it known that I, ABRAHAM BIENZENZUCHT, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Buckle, of which the following is a full, clear, and exact description.

The invention relates to tongueless buckles, and its object is to provide a new and improved buckle for use on belts, straps and like articles, and arranged to permit of conveniently adjusting the belt to fit the wearer, to securely hold the belt in adjusted position, and to allow quick release of the belt whenever it is desired to open the belt.

For the purpose mentioned, use is made of a casing open at the ends, one end having means for attaching one end of the belt or strap, and a spring-pressed clamping bar extending vertically within the casing and pivoted on the top and bottom thereof, the bar having at one end a finger-piece extending to the outside of the casing to permit the user to swing the bar into open position.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a sectional plan view of the improved buckle as applied to a belt; Fig. 2 is a perspective view of the same; Fig. 3 is an enlarged cross section of part of the casing; and Fig. 4 is a perspective view of the clamping bar.

The casing A of the belt buckle is open at the end and is preferably made of two U-shaped sheet metal pieces fastened together to provide a front A', a back A'', a top A³ and a bottom A⁴. The back A'' of the casing A is provided at one end thereof with a cross bar A⁵, on which is fastened one end B' of the belt B adapted to be passed with its free end through the casing A from the other end thereof, as plainly indicated in Figs. 1 and 2. By attaching the end B' of the belt B to the cross bar A⁵, which forms an integral part of the back A'' sufficient space is had at this end of the casing A for the passage of the free end B² of the belt B (see Fig. 1).

Within the casing A extends a vertically-disposed clamping bar C, provided at its ends with trunnions C⁶ journaled in the

top A³ and bottom A⁴ of the casing, so that the clamping bar C is free to swing within the casing A, and its forward clamping surface C⁴ is adapted to engage the rear face of the free end B² of the belt B, to clamp the said free belt end B² between the inner surface of the front A' and the clamping face C⁴ of the clamping bar C, as will be readily understood by reference to Fig. 1. The clamping face C² is preferably formed of a piece of rubber, leather, or like material so as to insure a secure holding of the clamping face C⁴ on the inner face of the belt end B². This section of material forming the clamping face C⁴ is preferably stretched over the working face of the clamping bar, the latter being triangular in cross section, and held by means of integral lugs C⁵ struck out from the ends of the said clamping bar and bent onto the sides of the bar adjacent its said working face, and pressed upon the edge portions of the gripping material.

On one end of the clamping bar C, preferably at the bottom end thereof, is arranged a finger-piece C⁷ extending through a slot A⁶ formed in the bottom A⁴ of the casing A to the outside of the casing, to permit the operator to manipulate the clamping bar C with a view to release the belt end B² whenever it is desired to do so. The clamping bar C is provided at the back and at or near the middle of the bar with a notch C⁸, through which extends a flat spring D secured at one end to a doubled up portion A⁷ at the end of the back A'' opposite the one having the cross bar A⁵. The free end of the spring D bears against the back A'' of the casing A, and the said spring D serves to press the clamping bar C in firm contact with the belt end B², to normally clamp the belt end in position as previously explained. Now when it is desired to release the belt end B², the operator takes hold of the finger-piece C⁷, and presses the same rearwardly so as to swing the clamping bar C in a rearward direction, thus releasing the belt end B² to permit the latter to be withdrawn from the casing A whenever it is desired to open the belt.

It is understood that the clamping bar C in its extreme forward position is at an angle to the belt end B² so that a pull exerted on the belt in the direction of the arrow a' draws the clamping bar C tighter, but when inserting the belt end B² in the

casing A in the inverse direction of the arrow *a'* then the clamping bar C is swung rearwardly to permit a ready passage of the belt end B² through the casing A. In making the casing A of two U-shaped pieces 5 as previously mentioned, the pieces are fastened together by lugs A^s on the top and bottom of one piece engaging the corresponding edges of the top and bottom of the other piece, as indicated in Fig. 3.

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

15 A belt buckle, comprising a casing open at its ends and having means whereby to attach one end of a belt thereto, a clamping member pivoted at its ends for eccentric movement in the casing, said member being

triangular in cross section and having one of its sides constituting a working face, said member also having ends and triangular 20 sections of its ends struck out therefrom and bent upon its sides adjacent the said working face, to form clasp tongues, and a layer of gripping material disposed upon 25 said working face and having its edges extending upon the last-mentioned sides and beneath said clasp tongues.

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

ABRAHAM BIENZUCHT

Witnesses:

WILLIAM PROHOCIMER.

SAMUEL BIENZUCHT.