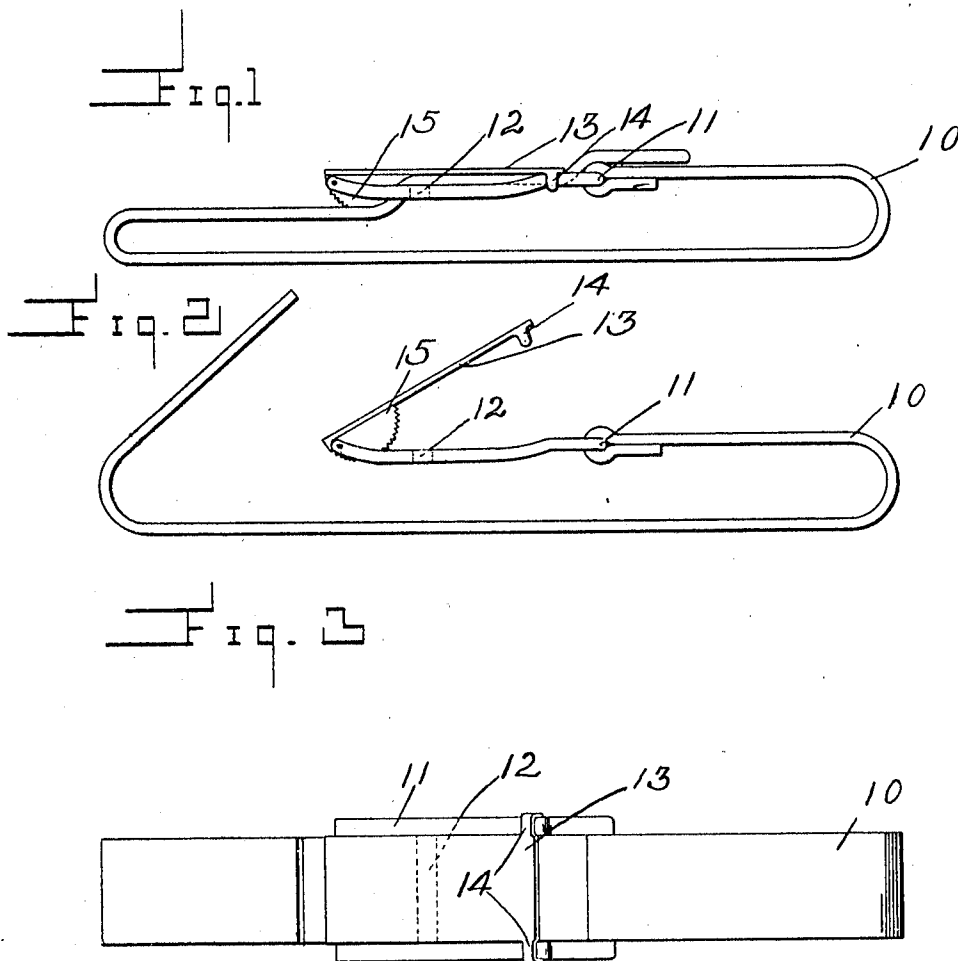


A. R. COLLICUTT.
BUCKLE.
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950,476.

Patented Mar. 1, 1910.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

AMON R. COLLICUTT, OF ALFRED, MAINE.

BUCKLE.

950,476.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed September 23, 1908. Serial No. 454,325.

To all whom it may concern:

Be it known that I, AMON R. COLLICUTT, a citizen of the United States, residing at Alfred, in the county of York and State of Maine, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

This invention relates to buckles and refers especially to one which comprises a pivoted wedge lever.

The invention has for an object the provision of a buckle which is of such construction that the greater the stress applied to the strap which is secured through the buckle the greater will be the proportionate resistance of the buckle to release the strap.

The invention has for a further object a buckle of this description which is simple in construction, strong, durable and which can be economically manufactured.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1. shows a side elevation of the buckle as secured to the opposite ends of a strap, Fig. 2. shows a view of the same with the buckle in an open position and one end of the strap released from the same, Fig. 3. is a top plan view of the buckle in an open position.

Referring to the drawings, 10 designates a strap which is looped at one extremity to engage about one extremity of a base 11 of a buckle which is centrally cut away and provided with a transverse bar 12 intermediately formed across its central portion. The base 11 is forked at one extremity in which is pivoted a lever 13 which comprises a metallic plate carrying at its free extremity two laterally and downwardly extending spring arms 14 which engage about the base 11 when the lever 13 is in a clamped position. The lever 13 is provided at its pivoted extremity with a cam 15 of semicircular formation having the contacting surface thereof provided with a plurality of serrations for the purpose of frictionally engaging the opposite extremity of the strap or belt 10 which is passed through the belt 11.

It will be noted that the forked portions of the base upon which the lever 13 is supported are turned upwardly, to offset the pivot point of the lever from the plane of the adjacent inner portion of the base. It will also be noted that the end portion of the base at the extremity of which the strap 10 is secured, is also offset upwardly, whereby the lever 13 may be brought downwardly thereagainst without interference by the portion of the strap 10 disposed over the bar 12, the arms 14 engaging resiliently over each side of the frame.

The method of using the belt is to insert the free extremity of the belt 10 upwardly through the forked extremity of the base 11 over the bar 12 and upon the loop-engaging end of the base 10. When the belt is in this position the lever 13 is forced downwardly impinging the cam 15 against that portion of the belt 10 which rests against the bar 12 and thereby prevents the belt 10 from slipping out of engagement with the base 11. For the purpose of holding the cam 15 securely in position the spring arms 14 are engaged over the opposite edges of the base 11 to clamp the lever 13 against the upper face of the free end of the belt 10. It is readily seen that with a buckle of this construction when force is exerted to withdraw the free end of the belt 10 from the base 11 the cam 15 is caused to wedge against the cross bar 12 and to force the serrated edge of the cam 15 against the face of the belt and so prevent the displacement of the belt.

What is claimed is:—

1. A buckle comprising spaced side members, an integral strap-engaging portion connecting adjacent ends of the side members, a cam revolubly mounted between the opposite ends of the side members, a cross bar spaced adjacent the cam, an operating lever carried by the cam, the space between the cam and the cross bar being adapted for the presentation of a strap therethrough to be clamped between the cross bar and the cam, the strap-engaging end of the device being offset to receive the lever thereagainst when in operative position, and spring arms carried by the lever and adapted for resilient clamping engagement with opposite sides of the device to hold the lever in operative position.

2. A buckle comprising spaced side members, an integral strap-engaging portion connecting adjacent ends of the side members,

a cam revolubly mounted between the opposite ends of the side members, a cross bar spaced adjacent the cam, an operating lever carried by the cam, the space between the
5 cam and the cross bar being adapted for the presentation of a strap therethrough to be clamped between the cross bar and the cam, the strap-engaging end of the device being offset to receive the lever thereagainst
10 when in operative position, and spring arms

carried by the lever and adapted for resilient clamping engagement with opposite sides of the device to hold the lever in operative position.

In testimony whereof I affix my signature, 15
in the presence of two witnesses.

AMON R. COLLICUTT.

Witnesses:

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JOHN B. ABBOTT.