Dec. 26, 1922. 1,440,339

J. O. CHABOT.
BELT BUCKLE.
FILED JUNE 28, 1922.

FIG. 1.

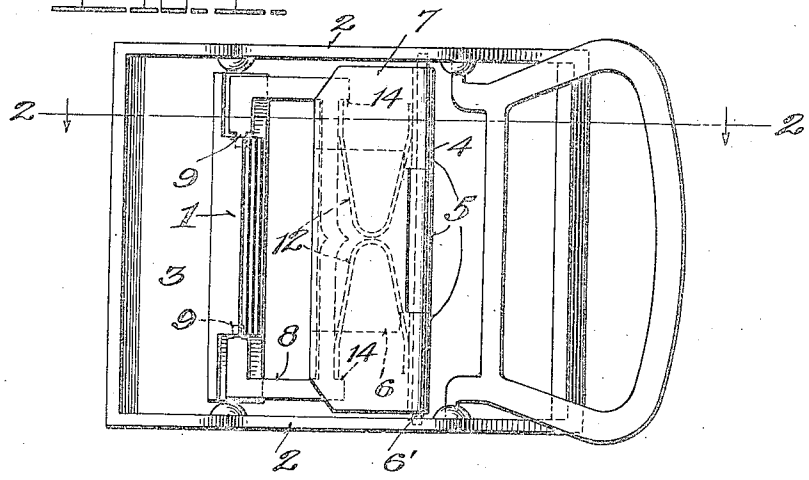


FIG. 2.

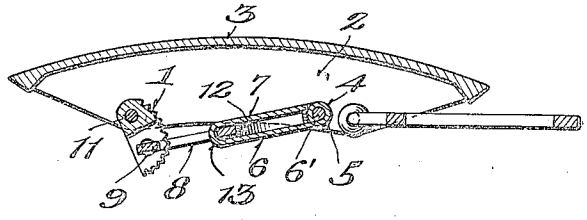
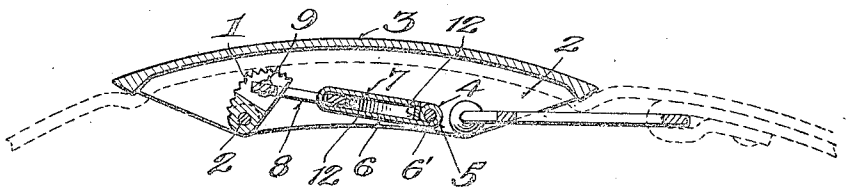


FIG. 3.



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UNITED STATES PATENT OFFICE.

JOSEPH O. CHABOT, OF NORTH ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO GEORGE L. PAINE COMPANY, OF NORTH ATTLEBORO, MASSACHUSETTS.

BELT BUCKLE.

Application filed June 28, 1922. Serial No. 571,493.

To all whom it may concern:

Be it known that I, JOSEPH O. CHABOT, a citizen of the United States, residing at North Attleboro, in the county of Bristol and State of Massachusetts, have invented new and useful Improvements in Belt Buckles, of which the following is a specification.

This invention relates to certain new and useful improvements in belt buckles and pertains more especially to the type of belt buckle disclosed in my copending application filed January 21, 1922. Serial No. 530,904.

The primary object of the invention is to provide a buckle having a pivoted or swinging cam belt gripping member which is positively held under spring tension in both operative and inoperative positions and which is movable to admit the belt by engagement of the latter therewith and which is also caused to move to release the belt by engagement of the latter with the member upon movement of the belt in the opposite direction.

The invention further aims to provide a structure for the purpose set forth which is of simple and economical construction and reliable and efficient in operation.

Further and other objects will be latter set forth and manifested in the course of the following description.

In the drawings:—

Figure 1 is a rear side elevation.

Figure 2 is a section on line 2—2 of Figure 1, and

Figure 3 is a view similar to Figure 2, showing the parts in belt gripping position.

In proceeding in accordance with the present invention, the cam 1 is pivoted at its end to the flanges 2 at the sides of the front plate or casing 3.

A member 4 formed of a folded piece of metal has registering knuckles 5 formed along its free side edges and through which a pin 6′ is passed, the latter being secured to the flanges 2 so as to allow the member 4 to swing toward and from the front plate 3. The side 6 of the member 4 is of reduced width and slidably received between the side 6 and the side 7 is the main arm of a substantially C-shaped connecting member 8, the ends of the latter being suitably pivoted at 9 to the ends of the reduced part 11 of the cam. A pair of approximately V-shaped springs 12 are housed between the sides 6 and 7 of member 4 and act to urge the member 8 outwardly and against the folded edge or part 13 of the member 4. The ends of the member 8 are provided with stops 14, to engage the inner ends of the two springs 12 and thereby hold each of the latter in position.

In operation, with the parts in the position of Figure 3, the belt end is moved inwardly against the cam 1 causing swinging of the latter and therewith the members 4 and 8 to the position of Figure 2 in which position the pivotal points of connection between member 8 and the cam have passed dead center, so that the cam is held stationary, permitting free positioning of the belt. When the belt is ready for clamping, the cam is moved inwardly against the belt by the fingers of the operator or user. When the belt is to be released, same is moved in a direction toward the member 4, which causes the cam to move outwardly with relation to the front 3 where it is held by the action of the springs 12 against the member 8. The member 8 by virtue of the springs 12 holds the cam positively in both of its positions as depicted in Figures 2 and 3.

It will also be seen that the member 8, which is spring tensioned, limits the swinging movement of the cam in both directions.

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

1. In a belt buckle, a casing, a cam pivoted thereto, a member formed of a plate folded to form spaced sides and having registering knuckles at the free sides of the plate, a pin extending through the knuckles and secured to the casing, the cam having reduced ends, a substantially C-shaped member having its main portion slidably received between the sides of the first member and having its ends pivoted to the reduced ends of the cam, and a pair of V-shaped springs between the sides of the first member and engaging stops on said main portion of the C-shaped member to tension the latter.

2. In a belt buckle, a casing, a cam pivoted to the casing, a member pivoted to the casing in spaced relation to the cam, and a spring tensioned connecting member between the first member and the cam for

holding the cam under tension in both operative and inoperative positions thereof.

3. In a belt buckle, a casing, a pivoted cam, a pivoted member, and spring tensioned means slidably connected to the pivoted member and pivoted to the cam for tensioning the latter.

4. In a belt buckle, a casing, a pivoted cam, a pivoted member, and spring tensioned means slidably connected to the pivoted member and pivoted to the cam to hold the latter in both operative and inoperative positions.

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

JOSEPH O. CHABOT.

Witnesses:
S. N. BARRY,
J. A. MILLER.