

F. W. KING.
BUCKLE.

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1,005,229.

Patented Oct. 10, 1911.

Fig. 1.

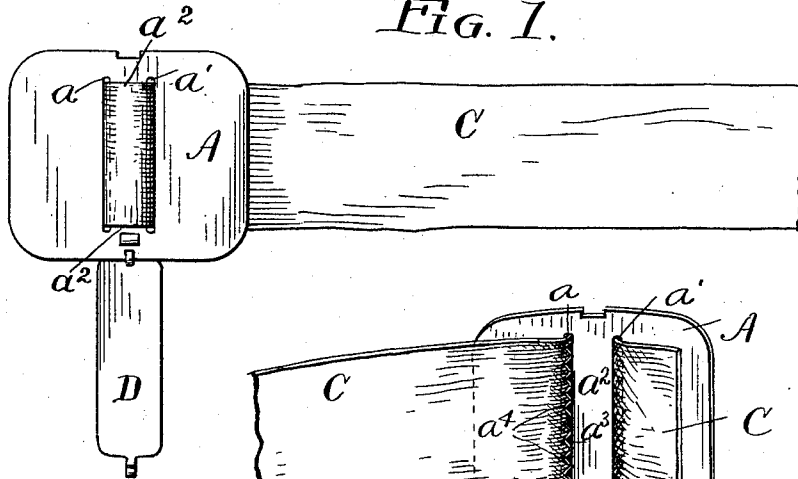


Fig. 2.

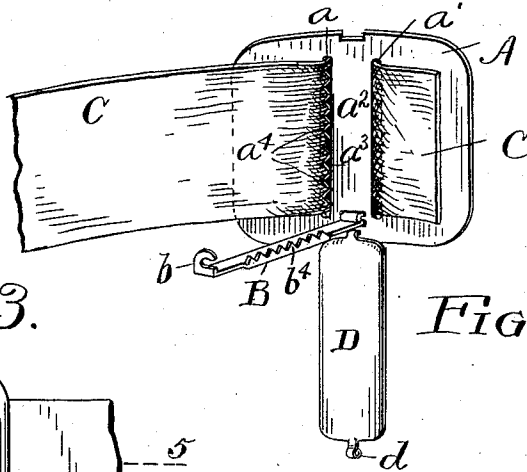


Fig. 3.

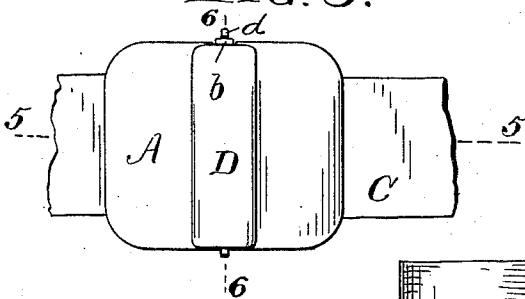


Fig. 4.

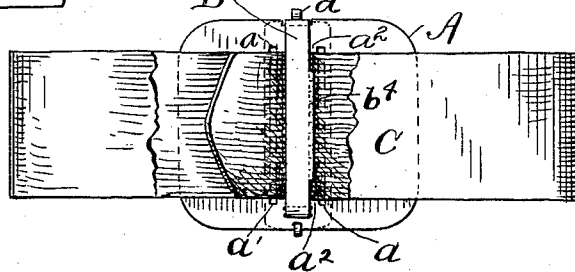


Fig. 5.

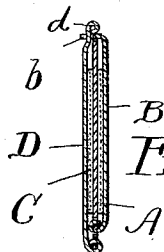
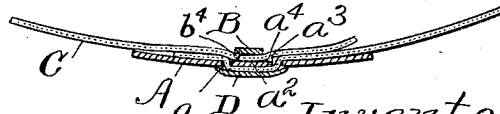


Fig. 6.

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UNITED STATES PATENT OFFICE.

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BUCKLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK W. KING, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Buckles, of which the following is a full, clear, and exact description.

Buckles embodying the invention are intended mainly for use in connection with garters or belts, the object of the invention being to provide a buckle adapted for such use which may be fastened easily and securely to both ends of the tape without using stitching or other analogous means for so fastening the tape to the buckle.

Two embodiments of the invention are shown in the drawing, and are hereinafter fully described.

The invention is defined by the appended claims.

In the drawing, Figure 1 is a front view showing the preferred embodiment of the invention when the buckle is connected with one end only of the tape and before the clamping bar and the retaining bar have been moved to the position they will occupy when the other end of the tape is secured to the buckle. Fig. 2 is a rear view of the buckle under like conditions. Fig. 3 is a front view of the buckle when both ends of the tape are secured to it. Fig. 4 is a rear view of the buckle under the same conditions, as shown in Fig. 3. Fig. 5 is a longitudinal section in the plane of line 5—5 on Fig. 3. Fig. 6 is a transverse section on the plane of line 6—6 of Fig. 3.

Referring to the parts by letters, A represents the buckle plate in which there are two parallel transverse slots a , a' . These slots are narrow, being only a trifle wider than the thickness of the tape to be used with the buckle, and they are placed fairly close together so as to leave between them a narrow bar a^2 which is an integral part of the plate A. One end of the tape C is to be threaded from the back side of said plates through one of said slots, then across the front of the bar a^2 and back through the other slot,—the part of the tape behind the plate being laid smoothly against its rear face.

B represents a clamping bar which is hinged to the plate A along the top or bottom edges thereof and in a position to lie behind the bar a^2 . One of the edges of the bar B is turned forwardly and provided

with toothed serrations b^4 . The other end of the tape not secured to the buckle, as above described, is then laid across the rear side of the buckle plate and against the tape C, and then this clamping bar is swung so as to clamp this end of the tape tightly against bar a^2 and against the other part of the tape, and suitable means are provided, such, for example, as hereinafter described for holding this bar in the described clamping position.

In order to make the clamping action effective and to prevent the slipping of the tape, one edge of the bar a^2 is turned rearward to form a short flange a^3 , the edge of which is serrated so as to form the rearwardly projecting prongs a^4 . When, now, the clamping bar B is swung in the clamping direction the forwardly projecting prongs b^4 carried thereby will be pressed into the rear side of the rear layer of the tape and at the same time the front side of this layer of the tape will be pressed down upon the prongs a^3 .

In the form of the invention shown in Figs. 1 to 6 the means for locking the clamping plate in the clamping position consists of another plate D hinged to the plate A adjacent to and parallel with the hinged axis of the clamping plate B. The plate D, however, is on the front side of plate A and is of such width that it will cover and hide that part of the tape C which lies against the front side of the bar a^2 . The clamping plate B and this latch plate D have respectively an interlocking hook b and pin d which may be brought into engagement over the upper edge of the buckle plate when both of said parts are in the closed position.

It will be apparent from the foregoing description that the prongs may be on either the clamping bar or some part of the buckle plate A, or on both of these, as may be desired.

Having described my invention, I claim:

1. In a buckle, the combination of a plate having two narrow transverse slots with a central bar between them having along one of its edges rearwardly projecting prongs, a rear clamping bar pivoted to the plate near one edge and extending transversely thereacross behind the central bar and provided with forwardly projecting prongs along that edge remote from the pronged side of the central bar, a transverse front

bar similarly pivoted to said plate and adapted to cover both of said slots and the central bar, said bars having means at their free ends for holding both of said pivoted bars in their respective closed positions, a belt web detachably secured to the buckle by having one end passed from the rear through one of said slots, then across the front of the central bar, beneath the front pivoted bar, then back through the other slot and then laid flat against the back of the plate, the other or free end being brought around and laid against the back of the plate and engaged by the rear clamping bar which is adapted to press it into engagement with both of said sets of prongs, whereby the webbing is securely held at the rear of the plate and is concealed from view in front within the boundaries of the buckle.

2. In a buckle, the combination of a plate

having in it two narrow parallel transverse slots with a webbing clamping bar pivoted to said plate near one edge thereof on a longitudinal axis and extending transversely across said plate behind and in range with the part thereof between said slots, and a bar pivoted to said plate adjacent to the pivot of the other bar extending across the front of the plate and of sufficient width to cover both of said slots, said two bars being extended to the opposite edge of the plate and being provided with interlocking means at their free ends for connecting them together and holding them closed.

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

FREDERICK W. KING.

Witnesses:

E. L. THURSTON,

H. R. SULLIVAN.

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