





# UNITED STATES PATENT OFFICE.

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## BUCKLE.

No. 892,963.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, WILLIAM LEBOWITZ, a citizen of the United States, and a resident of Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

This invention relates to buckles which may be used for suspenders, garters and the like. Its object is the production of a buckle having a frame, in which a pair of legs are normally separated from each other, to allow the loose end of a piece of webbing to be gripped by teeth extending from one of said legs, and an automatic locking device to hold the legs together when made to approach each other.

Figure 1 represents a front view of the buckle with a partial view of a suspender webbing and its strap connected therewith, Fig. 2 shows a partial side view of Fig. 1, Fig. 3 is a partial rear view of Fig. 1, Fig. 4 shows a partial enlarged section of Fig. 1 on the line 4, 4, Fig. 5 represents a partial enlarged section of Fig. 3 on the line 5, 5, Fig. 6 is a section of Fig. 2 on the line 6, 6, looking in the direction of the arrow, adjacent thereto, Fig. 7 is a section similar to Fig. 6 looking in a direction opposite to said arrow, Fig. 8 shows a section of Fig. 1 on the line 8, 8, and a bottom view of the buckle, Fig. 9 represents a section of Fig. 1 on the line 9, 9, Fig. 10 shows a front view of a modification of the buckle, Fig. 11 is a side view of Fig. 10, Fig. 12 represents a bottom plan view of Fig. 10, with the buckle in an open position, or the legs separated from each other, Fig. 13 is an enlarged side view and section of Fig. 10 on the line 13, 13, with the webbing of a suspender, Fig. 14 represents a section of Fig. 11 on the line 14, 14, looking in the direction of the arrow adjacent to said figure, Fig. 15 is a section similar to Fig. 14 looking in an opposite direction, and Fig. 16 shows an enlarged section of Fig. 13 on the line 16, 16.

The buckle is represented to consist of a U shaped frame having the holding leg 30 and the gripping leg 31, connected by a crown 62 the tension of which latter tends to separate the ends of the legs. The leg 30 has extending nearly across its inner face the end hook 32, and at its sides are located the side hooks 33, the tips or ends of which latter engage with openings or perforations 34 in the body

of the leg 30. From the lower portion of the holding leg 30 extend the spring lugs 35 having openings 36.

The leg 31 has the ornamental top edge 45, and the lower flange 46 with the gripping teeth 47. Lugs 48 extend from its lower portion having the openings 49. Latch bolts 50 engage with the opening 49, each having a leg 51 with a handle 52. The legs 51 pass through slots 53 in the flange 46, and a spring 56 bears between the legs 51 to normally separate them.

The end 60 of the webbing for the suspender is brought under the end hook 32 and the latter forced down thereon. Then the side hooks 33 are forced through said webbing so that their tips or ends engage with the openings 34, entering the latter with their ends just flush with outside surface of the leg 30. Then the webbing is formed into a loop 61 by bringing its loose end 57 up through the buckle, the legs being separated from each other by the tension of the crown 62. When the legs are forced together the latch bolts 50 will engage with the openings 36 in the spring lugs 35, forming a locking device for the holding and gripping leg, so that the teeth 47 will grip the end 57 of the webbing securely in place. A cast-off not shown, or the strap 63 is supported in the loop 61. It will be noted that the end 57 of the webbing is brought up through the buckle, to serve as suspender webbing, but if a garter is to be formed the end 57 is passed down through the buckle in an opposite direction.

In the modification of the invention shown in Figs. 10 to 16 the buckle comprises a U shaped frame having the holding leg 70 and gripping leg 71 connected by the crown 72. The holding leg has the end hook 73 and the side hooks 74, the tips or ends of which latter engage with openings or perforations 75. From the lower portion of the holding leg 70 extend the spring lugs 76 having the latch openings 77 and openings for the pusher bolts 78. Each pusher bolt has one of its ends 79 fastened to one of the spring lugs 76, by reducing it in diameter so as to form a shoulder against said lug, and riveting the end of said pusher bolt over the outside face of its lug 76. The other end of the bolt having a knob 80, can slide through an opening in the opposite lug 76. The gripping leg 71 has a flange 81 from which extend teeth 82,



and latch lugs 83 extend from the sides which can engage with the latch openings 77. The end 90 of webbing is placed under the end hook 73 which is forced thereon, and the side hooks 74 are forced through the webbing and engaged with the openings 75. The webbing is then formed into a loop not shown and the end 84 brought up through the buckle after the legs have been sprung apart by pressing on the knobs 80. When the webbing is in proper position the legs are pressed together by virtue of which the latch lugs 83 will engage with the latch openings 77, and the teeth 82 will tightly grip the webbing passing up through the buckle.

Having described my invention, I claim:

1. In a buckle the combination of a holding leg and a gripping leg, connected by a crown to normally separate the ends of the legs, means on the holding leg to fasten webbing thereto, gripping teeth extending from the gripping leg, spring lugs having openings extending from the holding leg, a pair of latch bolts on the gripping leg to engage with the openings in the lugs of the holding legs,

and means to disengage said bolts from said openings.

2. In a buckle the combination of a frame, a holding leg and gripping leg opposite each other on said frame, means to normally separate the legs, means on the holding leg to fasten a piece of webbing, a flange extending from the gripping leg, gripping teeth extending from said flange, a spring lug having an opening extending from each side of the holding leg, lugs extending from the sides of the gripping leg, latch bolts on the flange of the gripping leg passing through openings in its lugs, legs extending from said latch bolts engaging slots in the flange of the gripping leg, and a spring bearing between the legs of the latch bolts to engage them with the openings in the lugs of the holding leg.

Signed at Waterbury in the county of New Haven and State of Connecticut this 31st day of July A. D. 1907.

WILLIAM LEBOWITZ.

Witnesses:

SAMUEL D. HARRISON,  
MAX BLUMEN.