

J. F. MOLLOY, DEC'D.
T. F. & L. MOLLOY, ADMINISTRATORS.
BUCKLE.
APPLICATION FILED AUG. 1, 1911.

1,060,351.

Patented Apr. 29, 1913.

Fig. 1.

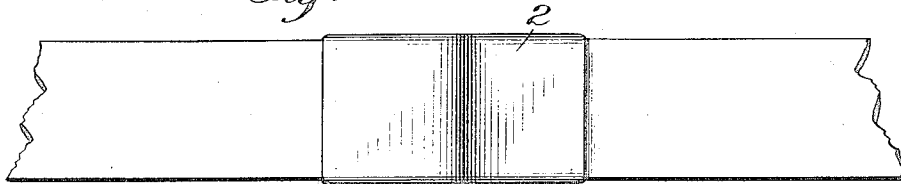


Fig. 2.

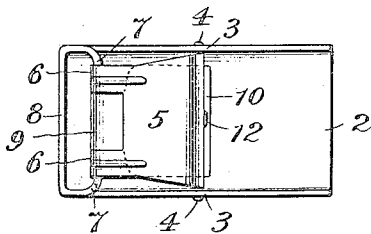


Fig. 3.

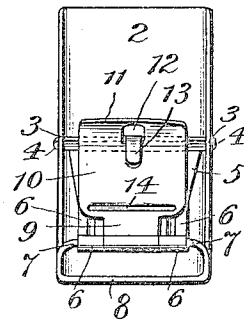


Fig. 4.

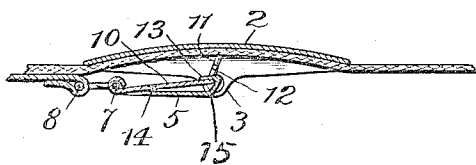
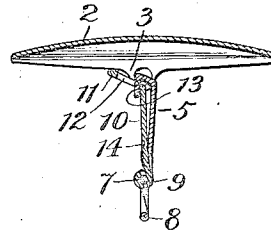


Fig. 5.



Witnesses:
Jas E Hutchinson
Geo. Riley.

Inventor:
James F. Molloy
By Seymour L. Cate
att'y.

UNITED STATES PATENT OFFICE.

JAMES F. MOLLOY, OF WEST HAVEN, CONNECTICUT; THOMAS F. MOLLOY AND LILLIAN MOLLOY ADMINISTRATORS OF SAID JAMES F. MOLLOY, DECEASED.

BUCKLE.

1,060,351.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES F. MOLLOY, a citizen of the United States, residing at West Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Buckles; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a front view of a buckle constructed in accordance with my invention. Fig. 2 a rear view with the lever in the closed position. Fig. 3 a rear view with the lever in the open position. Fig. 4 a sectional view with the lever in the closed position and shown as engaged with a strap. Fig. 5 a sectional view with the lever open and the strap removed.

This invention relates to an improvement in buckles and particularly to belt buckles.

In the usual construction of buckles when completed they are adapted for use with a particular thickness of strap, whether of webbing or leather, and then if used with a thick strap the spring will become set so that the buckle cannot again be used with a thin strap.

The object of this invention is to provide means for clamping straps of various thicknesses and so arrange the spring so that it will not become set; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I employ a frame 2 preferably struck up from sheet metal and preferably slightly bowed longitudinally. The sides of the frame are turned inward forming ears 3 which are perforated to receive trunnions 4 formed at the ends of a leaf 15 produced by bending outward the inner end of a lever 5 which is formed from sheet metal and which is provided at its outer end with fingers 6 which are folded around the bar 7 of a wire loop 8. The central portion of the outer end of the lever 5 is cut away to give clearance to the inner end 9 of a spring clamping plate 10 which is loosely secured directly to the bar 7 between the fingers 6, for the purpose of permitting the said plate to have a slight

longitudinal movement independent of the lever to provide for the automatic adjustment of the buckle to straps of varying thickness. The inner end of the spring plate 10 is turned outward to form a gripping edge 11 adapted to engage with the strap and clamp the same against the inner face of the body 2. To hold the said spring plate 10 in place, it is provided with a clearance slot 12 through which a tongue 13 formed on the edge of the said leaf 15 extends after extending over the body of the spring plate in such a way that the same has a slight play with relation to the lever. Preferably and as herein shown, the spring-plate will be reinforced or strengthened by a corrugation or rib 14. By connecting the spring plate 10 with the bar 7 of the wire loop 8 independent of the said lever, the said bar becomes a spring which allows more or less play of the gripping-edge of the spring plate in addition to the loose connection of the plate with the said bar, so that straps of various thickness may be held without setting the said plate.

I claim:—

1. In a belt-buckle, the combination with a body, of a lever pivotally connected therewith; a loop mounted in the outer end of the said lever, and a tongue having its outer end loosely connected with the said loop to adapt the buckle to accommodate itself to different thicknesses of straps, and at its inner end formed with a gripping-edge for co-action with the inner face of the said body, and the inner end of the said tongue being loosely connected with the inner end of the said lever to prevent its displacement with respect thereto.

2. In a belt-buckle, the combination with a body, of a lever pivotally connected therewith and formed at its outer end with two fingers and at its inner end with a tongue, a loop pivotally mounted in the said fingers, and a spring plate loosely connected with the said loop at a point between the said fingers of the lever and formed at its inner end with a gripping-edge co-acting with the inner face of the body and also formed at its inner edge with a slot receiving the tongue formed upon the inner end of the lever for holding the spring-plate in place.

3. A buckle comprising a body formed with inwardly projecting ears, a lever pivotally mounted in said ears and formed

at its outer end with fingers, a loop with
which said fingers are engaged, a spring
connected with said loop between said
fingers and formed at its inner end with a
5 gripping edge, the spring also formed with a
clearance slot, and the lever with a tongue to
extend through said slot whereby the spring
is held in engagement with the lever.

In testimony whereof, I have signed this
specification in the presence of two subscrib- 10
ing witnesses.

JAS. F. MOLLOY.

Witnesses:

CHAS. A. MENGE,
THOS. F. MOLLOY.
