

(No Model.)

D. F. DALTON.
BUCKLE.

No. 514,706.

Patented Feb. 13, 1894.

Fig. 1.

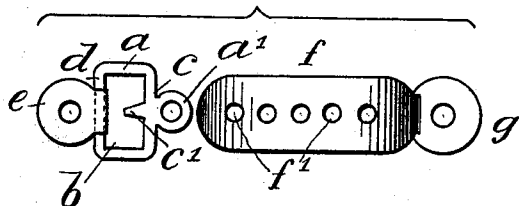


Fig. 3.

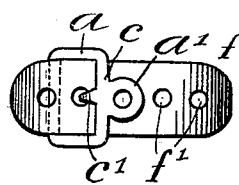


Fig. 2.

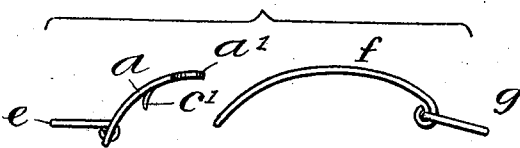


Fig. 4.



Witnesses:

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DANIEL F. DALTON, OF WATERBURY, CONNECTICUT, ASSIGNOR TO FRANK W. WHITCHER, OF BOSTON, MASSACHUSETTS.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 514,706, dated February 13, 1894.

Application filed April 24, 1893. Serial No. 471,533. (No model.)

To all whom it may concern:

Be it known that I, DANIEL F. DALTON, of Waterbury, in the county of New Haven and State of Connecticut, have invented certain
5 new and useful Improvements in Buckles, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

My invention relates more particularly to
10 the class of buckles that are adapted for use on shoes or like articles of foot wear, and the object of my invention is to provide a buckle of this class that shall be durable, effective and comparatively simple, and neat
15 in appearance when in use.

To this end my invention consists in the details of the several parts making up the buckle as a whole and in the combination of such parts as more particularly hereinafter
20 described and pointed out in the claim.

Referring to the drawings: Figure 1 is a detail top or plan view of the buckle parts. Fig. 2 is a detail edge view of the buckle parts. Fig. 3 is a detail plan view of the
25 buckle showing the parts engaged. Fig. 4 is a detail edge view in longitudinal section of the buckle showing the parts engaged.

In the accompanying drawings the letter *a* denotes the tongue plate made preferably of
30 sheet metal cut or stamped to shape with an opening *b* making the plate substantially an oblong frame, from the front cross-bar *c* of which there is a backward and downward projecting tongue *c'* left integral with the
35 substance of the plate. On the rear cross bar *d* of the frame there is hinged an attaching loop *e* united with the bar by wrapping a projecting part of the loop about the bar *d*, thus hinging the plate to the loop and adapting
40 the latter to be folded under the frame as shown in Fig. 4 of the drawings. The front edge of the tongue plate is provided with a projection *a'* forming a finger hold that enables the plate to be lifted and disengaged
45 from the catch-plate. The catch-plate *f* is formed from sheet metal cut or stamped to shape and usually curved, sockets *f'* being formed by cutting through the substance of the plate along its center line. A fastening
50 loop *g* is hinged to one end of the plate and serves as a means of attaching the catch plate to an article as to the quarter of a shoe

or to a strap secured thereto. The tongue-plate *a* is secured to one quarter of a shoe by means of a rivet passing through a hole in
55 the loop *e* and the catch-plate *f* is secured to the opposite quarter by means of a rivet passing through an opening in the loop *g*, the tongue-plate and catch-plate being by usual means fastened so as to permit of a swinging
60 movement by reason of the hinge joint between the loops and the tongue-plate and catch-plate respectively. The end of the catch-plate is thrust through the opening *b* in the tongue-plate to an extent sufficient to
65 close the shoe tightly upon the foot and then on releasing the pull the tongue *c'* slips into and engages in one of the sockets *f'* in the catch-plate, the buckle in such case being located as shown in Fig. 3 of the drawings. 70

In order to unfasten the buckle the tongue-plate is lifted so as to disengage the tongue *c'* from the socket *f'* and allow the catch-plate to be slipped out of the opening in the tongue-plate. Unless the tongue is held at
75 some distance above the surface of the catch-plate this peculiar shape will cause it to be engaged with the next succeeding socket in the catch-plate as the parts are moved along each other and this peculiar location
80 and operation of the tongue forms one feature of my improvement in the combined parts.

The several parts of the buckle may be made of any desired metal and finished and
85 ornamented in any desired color or style.

I claim as my invention—

In a shoe buckle, in combination, a catch plate provided with a series of engaging sockets, an attaching loop hinged to one end
90 of the catch plate and adapted to be folded under it, a tongue plate having an opening and a downward and rearward projecting tongue integral with the frame of the tongue plate, and a finger hole projecting from the
95 front edge of the tongue plate, and an attaching loop hinged to the edge of the tongue plate and adapted to be folded under it, all substantially as described.

DANIEL F. DALTON.

Witnesses:

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