(No Model.)

G. E. ADAMS.

BUCKLE.

No. 488,174. Patented Dec. 20, 1892.

Fig. 1.

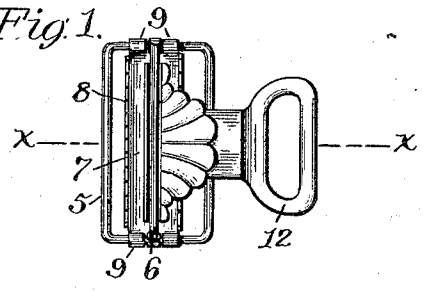


Fig. 2.

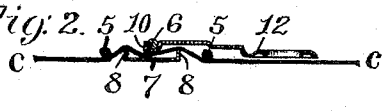


Fig. 3.

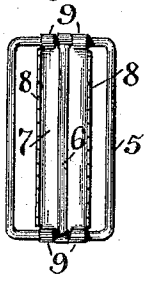
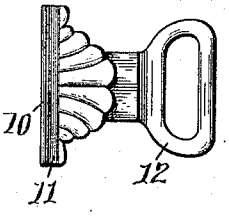


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF PROVIDENCE, RHODE ISLAND.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 488,174, dated December 20, 1892.

Application filed May 20, 1892. Serial No. 433,682. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Buckles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in that class of buckles more especially used in securing the cast-offs of suspenders to the webbing of the same.

The object of the invention is to produce a thin flat buckle or clasp which shall be durable in construction and convenient in operation.

The invention consists in the peculiar construction of the buckle-frame and the combination therewith of the novel clamping-device, as will hereinafter be more fully described and pointed out in the claims.

Figure 1 represents a plan view of the improved buckle or clasp. Fig. 2 represents a sectional view of the same, taken at a line *a—b*, Fig. 1, and indicating the location of the parts with reference to one another when secured to a piece of webbing. Fig. 3 represents a top view of the buckle-frame, and Fig. 4 represents a similar view of the clamping-device or tongue.

Similar numbers of reference designate corresponding parts throughout.

In carrying out my invention I take a piece of wire of any desired shape in cross section, and form this wire into an oblong frame 5, to the central portion of the ends of this frame I secure the flattened ends of the bridge-wire 6, by bending these flattened ends slightly downward and then around the wire of the frame. I now form the back-plate 7 having one or more serrated edges 8 turned up from the sides thereof, and the securing-arms 9, which are also bent around the ends of the frame 5 to secure the back-plate thereto.

The clamping-device is formed with a clamping-edge 10 bent at right angles with the body of this device. This edge may or may not be serrated, and immediately adjoining the same is formed a concaved portion 11, which is adapted to bear against the lower surface of the bridge-wire 6; from this concaved portion the clamping-plate extends downward, having the general outline shown in the drawings, and at the lower end is formed the loop 12, a portion of the metal stamped out being bent over upon itself to form a practically round bar.

In practice, the webbing *c—c* is passed through the buckle-frame under the sides of the wire and over the serrated edges of tho back-plate; the concaved portion 11 is now engaged with the bridge-wire 6, and the lower or loop portion 12 is bent downward, thus crowding the webbing *c—c* between the edge 10 and the back-plate and holding the same in place until relieved by the lifting of the looped portion.

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

1. In a clasp or buckle, the combination with an oblong frame, a back-plate having serrated edges secured to said frame by bent-arms, and a bridge-wire secured at the ends to said frame, extending on a plane parallel with but slightly removed from that of the frame, of a clamping-device having a concaved portion adapted to bear against said bridge-wire, as described.

2. The combination in a buckle, with the frame 5 provided with the bridge-wire 6, and the back-plate 7 having the serrated edges 8, of the clamping-device having the clamping-edge 10, the concaved portion 11 and the end 12, as and for the purpose described.

In witness whereof I have hereunto set my hand.

GEORGE E. ADAMS.

Witnesses:
HENRY J. MILLER,
M. F. BLIGH.