

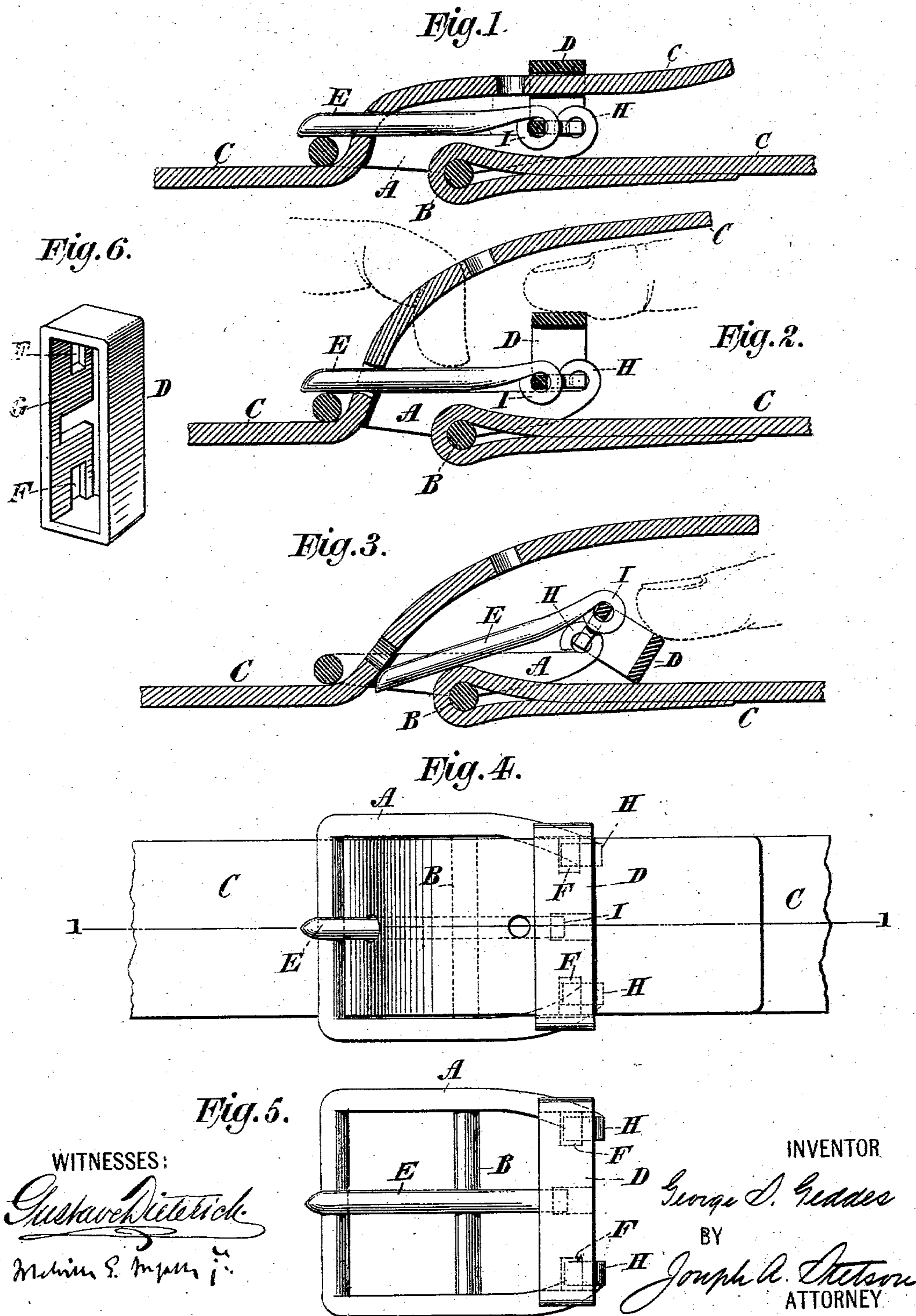
No. 740,417.

PATENTED OCT. 6, 1903.

G. S. GEDDES.
BUCKLE.

APPLICATION FILED MAR. 16, 1903.

NO MODEL.



UNITED STATES PATENT OFFICE.

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BUCKLE.

SPECIFICATION forming part of Letters Patent No. 740,417, dated October 6, 1903.

Application filed March 16, 1903. Serial No. 147,923. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. GEDDES, a citizen of the United States, residing at Sydney, New South Wales, Australia, have invented new and useful Improvements in Buckles, of which the following is a specification.

My invention relates to buckles, and is especially designed for use in connection with harness, trunk-straps, belts, and the like where the straps on which the buckle is used are under considerable strain.

The object of my invention is to provide a neat and cheap buckle of few parts which can be readily and quickly disengaged when the strap is under strain.

In the accompanying drawings, Figure 1 is a sectional view of the buckle engaging the two ends of a strap. Fig. 2 is a sectional view showing the strap removed from the keeper. Fig. 3 is a sectional view showing the disengagement of the tongue. Fig. 4 is a plan view of the buckle and strap. Fig. 5 is a plan view of the buckle apart from the strap. Fig. 6 is a perspective view of the keeper.

Referring to the drawings, A is the frame of the buckle.

B is the center bar, to which one end of the strap C is secured in the usual way, as indicated in Figs. 1, 2, and 3.

D is the keeper.

E is the tongue.

The keeper D is provided at each end with the holes F at the outer edge of the lower bar G, which are loosely engaged by the bent ends H of the frame A. The inner bent end I of the tongue E projects through the center of the lower bar G of the keeper D and loosely engages the inner edge of the bar G.

The operation of the buckle is as follows: To engage the strap C, the free end thereof is inserted through the frame A and the tongue E, projected through the desired hole, as indicated in Figs. 1 and 4. The keeper D is held by the fingers in the position shown in Fig. 2 until the end of the strap is shoved through the keeper, which is thus held in position so that the tongue E projects through the strap and rests on frame A, as shown in Fig. 1. To disengage the strap, especially when it is under strain, its end is withdrawn from the keeper D, Fig. 2. The keeper is then turned back by the thumb or fingers to

the position shown in Fig. 3, withdrawing the tongue E from the frame A and permitting the easy disengagement of the strap C.

Of course the manner of connecting the tongue to the keeper and the keeper to the frame of the buckle may be varied; but the method shown of bending the metal parts into position is the cheapest and is preferred by me.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a buckle, a main frame composed of side pieces, an end bar, and a rigid cross-bar across its middle which receives the fast end of a strap; a keeper having two transverse parallel bars, the upper bar adapted to retain the free end of the strap when engaged, the lower bar being pivoted to the main frame; and a tongue pivoted to the lower bar of said keeper, substantially as described.

2. In a buckle, a main frame composed of side pieces, an end bar, and a rigid cross-bar across its middle which receives the fast end of a strap; a tongue; and a movable keeper adapted to eject and withdraw said tongue, said keeper being formed of a single piece of metal in the shape of a parallelogram, its lower bar being pivoted to the main frame and to the inner end of the tongue, substantially as described.

3. In a buckle, a main frame composed of side pieces, an end bar, and a rigid cross-bar across its middle which receives the fast end of a strap; a keeper having but two transverse bars one above the other, the lower of which is pivoted to the side pieces of the main frame at their ends opposite the said end bar; and a tongue pivoted to the lower bar of said keeper, the pivot-points being so placed that a movement of the keeper on the frame serves to eject the tongue through the free end of the strap or withdraw it as desired, substantially as described.

In testimony whereof I, GEORGE S. GEDDES, have signed my name to this specification, in the presence of two subscribing witnesses, this 4th day of February, 1903.

GEORGE S. GEDDES.

Witnesses:

WM. B. GUNTHER,

WM. AHRENS.