

No. 894,773.

PATENTED JULY 28, 1908.

I. BLUM.  
BUCKLE.

APPLICATION FILED OCT. 16, 1907.

Fig. 1.

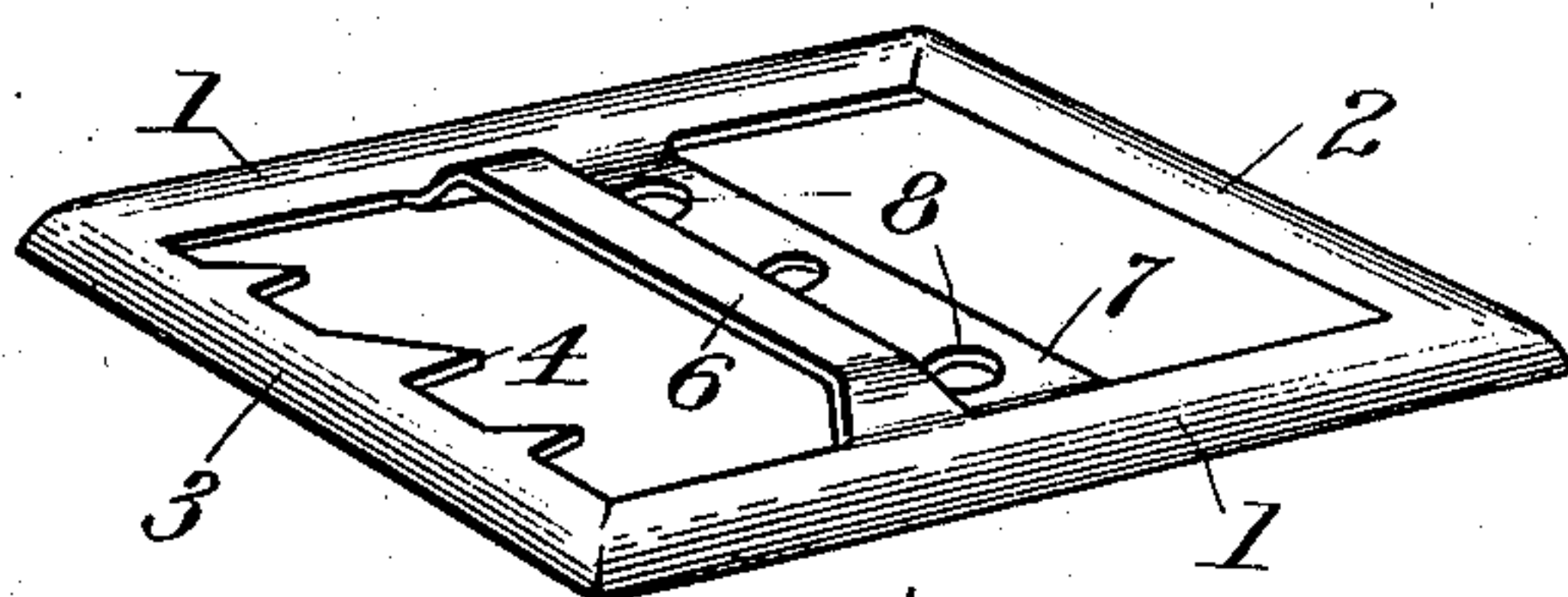


Fig. 2.

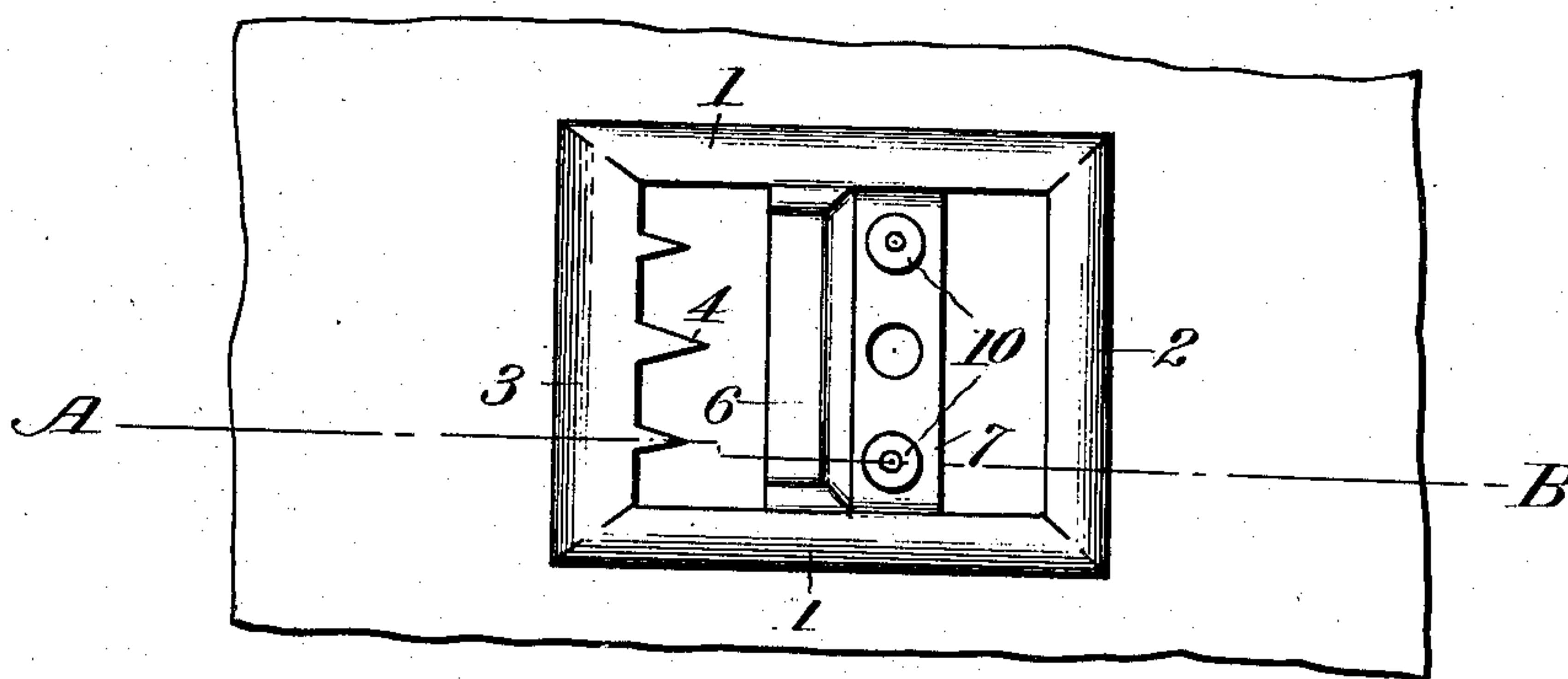


Fig. 3.

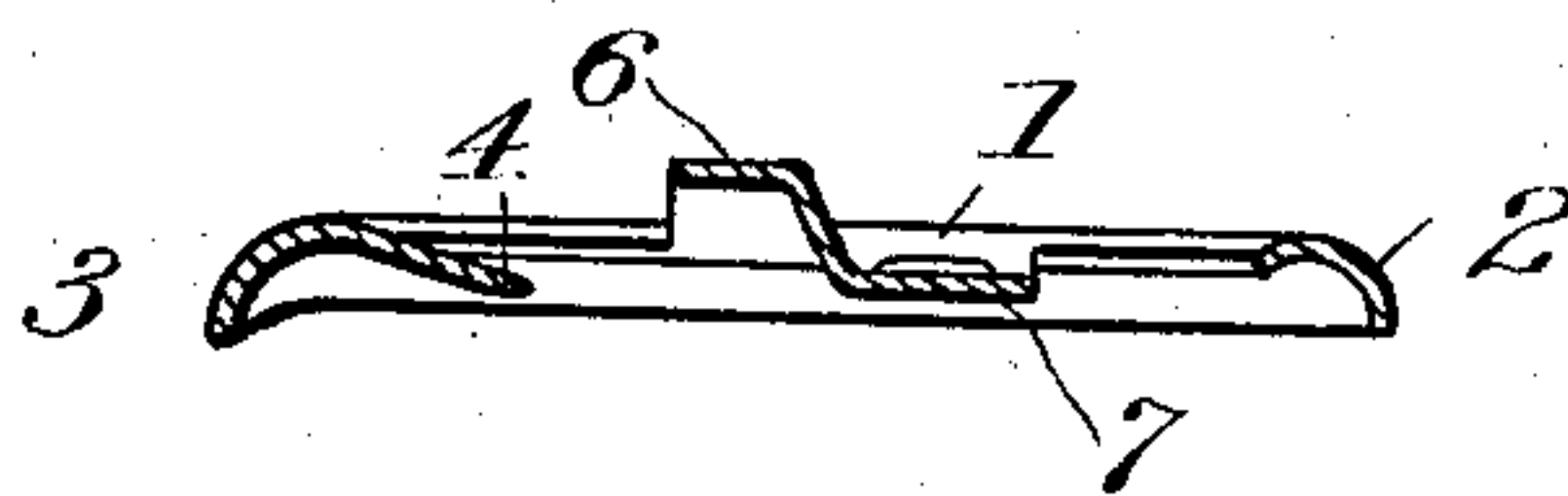
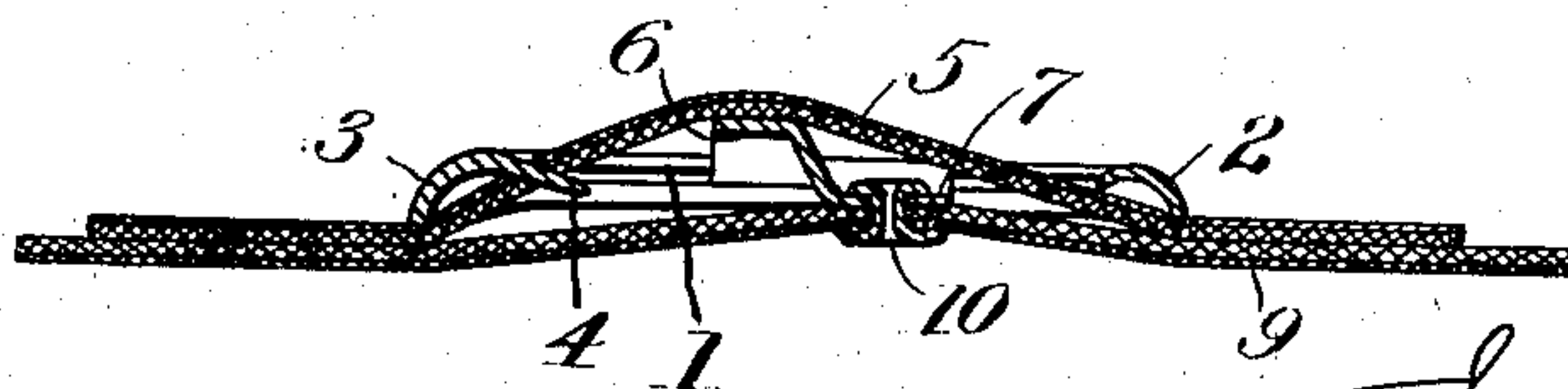


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

ISAAC BLUM, OF BALTIMORE, MARYLAND, ASSIGNOR TO ALMA MANUFACTURING COMPANY OF BALTIMORE CITY, OF BALTIMORE, MARYLAND, A CORPORATION OF MARYLAND.

## BUCKLE.

No. 894,773.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed October 16, 1907. Serial No. 397,728.

*To all whom it may concern:*

Be it known that I, ISAAC BLUM, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented a certain new and useful Improvement in Buckles, of which the following is a full, clear, and exact description.

The object of this invention is to improve the efficiency of that class of one-piece buckles in which a bight or bend is put into the strap as it rises from the fastening prongs.

The bight or bend is effected by means of a cross-bar, a portion of which is of box-form and stands up above the plane of the face of the buckle and another portion of which is flat and is depressed into or nearly into the plane of the back of the buckle or below such plane, and this flat portion is adapted to receive the fastening mediums for attaching the buckle to a garment or other article, solid or hollow rivets, or headed eyelets preferably being used as such fastening mediums.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view of the buckle. Fig. 2 is a top plan or face view, showing the buckle attached to a piece of fabric. Fig. 3 is a longitudinal section of the buckle detached. Fig. 4 is a longitudinal section of the buckle attached to an article and having the adjustable part in fastened position, taken in the plane of line A B, Fig. 2.

The buckle has a frame composed of the concavo-convex side-bars 1 and end-bars 2 and 3 as usual. The end-bar 3 has the teeth or prongs 4, the center one of which is, by preference, longer than the others so as to insure engagement with the adjustable part 5.

A duplex cross-bar crosses from one side-bar to the other, about midway between the end-bars, and that portion 6 of the cross-bar nearest to the toothed end-bar is of box-form, and springs upwardly or outwardly, relatively to the face of the buckle, and above or beyond the plane of the face of the buckle, so as to form an elevation above the face of the buckle over which the adjustable part 5 rises as its leading end passes from the teeth toward the end-bar 2, whereby a bight or bend is put in this adjustable part in order to insure the combined engagement of the teeth with said part. The other portion 7 of the cross-bar is depressed below the face of the buckle substantially into the plane of the back thereof or below such plane when it is

desired to raise the buckle bodily above the article to which it is attached. - This portion 7 is flat and provided with holes 8 to receive fastening mediums by which the buckle is attached to an article 9. Three such holes 8 are shown and two rivets, but in some instances only one rivet would be required, and in that case the middle hole only would be used. There is an obvious economy in using one rivet, and the buckles, therefore, are equipped with the two side holes, which would be used when two rivets are necessary, and the intermediate hole, which would be used when only one rivet is required. It is preferred to use solid or hollow rivets or headed eyelets 10, as the fastening mediums.

As clearly shown in Fig. 4, the attaching of the buckle by a cross-bar arranged substantially midway between its ends, leaves the ends free for the passage of the adjustable part 5, and the box-form given to one portion of this cross-bar provides an elevation which puts a bight or bend in the adjustable part sufficient to retain it in engagement with the teeth. Moreover, the duplex character of the cross-bar adds great stiffness and strength to the buckle. This form of buckle while of rather wide applicability, is specially available in side straps on trousers and other garments.

What I claim is:—

1. A buckle, having a frame provided with a cross-bar one portion of which is elevated above the face of the frame and of box-form to put a bight or bend in the strap passed over it and the other portion depressed below the face of the frame and flat to receive an attaching medium.

2. A buckle, having a cross-bar of box-form with a flat attaching portion depressed below the face of the buckle.

3. A buckle, having a cross-bar one portion of which is elevated above the plane of the face of the buckle and of box-form and another portion integral with the box-form portion which is depressed substantially into the plane of the back of the buckle.

4. A buckle, having a cross-bar one portion of which is elevated above the plane of the face of the buckle and of box-form and another portion integral with the box-form portion which is depressed substantially into the plane of the back of the buckle and is flat and provided with holes to receive attaching rivets for securing it to an article.

5. A buckle, having side-bars, a toothed



end-bar and another end-bar, and an intermediate cross-bar one portion of which next to the toothed end-bar is of box-form and elevated above the plane of the face of the  
5 buckle, and another and integral portion of which is depressed substantially into the plane of the back of the buckle and flat to receive the attaching means, whereby the  
10 part of an article to be fastened is engaged by the teeth and held in such engagement by the bight or bend put into it as it passes over the

elevated portion of the cross-bar and its free end is readily passed beneath the other end-bar.

In testimony whereof I have hereunto set  
my hand this 15th day of October A. D. 1907

ISAAC BLUM.

Witnesses:

J. G. ROSENHEIM,

AB H. GREENCLAW.