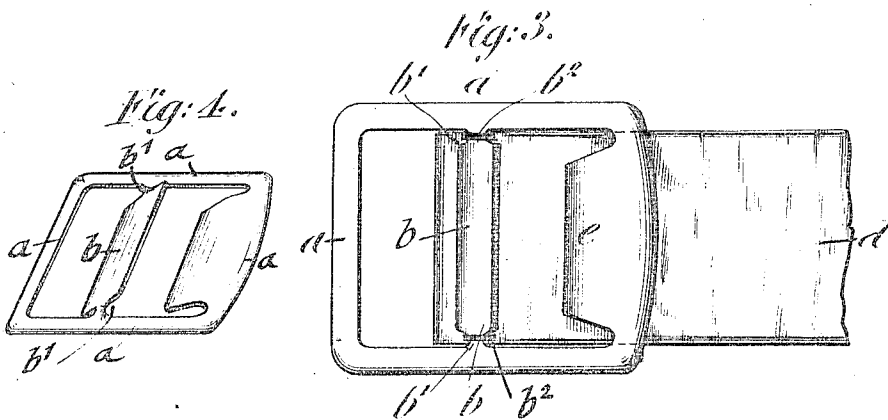
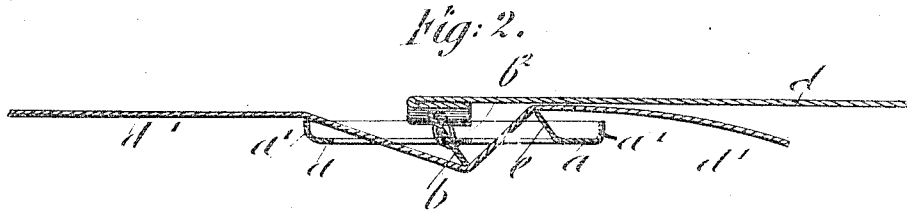
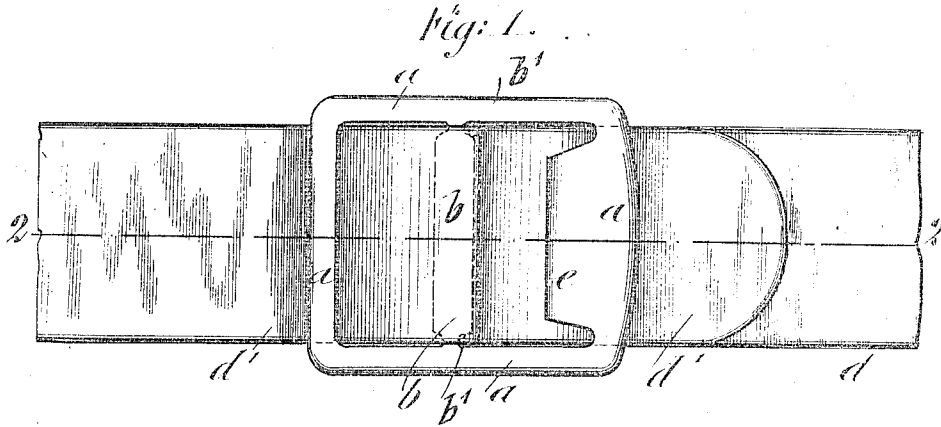


M. SCHWARTZ.
BUCKLE.

APPLICATION FILED SEPT. 18, 1909.

971,694.

Patented Oct. 4, 1910.



Witnesses:
F. A. Lusk
J. A. Lusk

Inventor
Mendel Schwartz
By his Attorney
F. A. Lusk

UNITED STATES PATENT OFFICE.

MENDEL SCHWARTZ, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO SAMUEL J. HORN, OF NEW YORK, N. Y.

BUCKLE.

971,694.

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed September 18, 1909. Serial No. 518,421.

To all whom it may concern:

Be it known that I, MENDEL SCHWARTZ, a citizen of the United States of America, residing in New York, in the borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

This invention relates to an improved buckle for trouser, vest and other straps, in which the use of prongs or teeth for piercing and holding the strap is dispensed with, and the holding of the strap accomplished by integral cam-shaped portions of the buckle, so that the strap is prevented from shifting and firmly held in position on the garment; and for this purpose the invention consists of a buckle which comprises an exterior open oblong frame provided with a bent-up rim, an inclined, outwardly-projecting transverse center-bar having contractions adjacent to the sides of the frame, and an inwardly-inclined and tapering cam-piece at the end of the frame, as will be fully described hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 represents a front-elevation of my improved buckle, showing it as applied to trouser, vest or other straps. Fig. 2 is a horizontal section on line 2-2, Fig. 1. Fig. 3 is a front elevation of the buckle, showing its connection with one of the straps, and Fig. 4 is a perspective view of the buckle shown as detached from the straps.

Similar letters of reference indicate corresponding parts throughout the several views.

Referring to the drawings, *a* represents the exterior oblong frame of my improved buckle for the straps of trousers, vests and other garments. The frame *a* is provided with a rearwardly-bent flange or rim *a*¹ which extends all around the frame and imparts strength and stiffness to the same. Midway of the frame is arranged a transverse inclined and forwardly-projecting bar *b*, which is made integral with the frame *a*, and provided adjacent to its connection with the sides of the frame *a* with contractions *b*¹ which serve for attaching the underlapping strap *d* by means of suitable stitches *b*².

One end of the frame *a* is made straight, and the opposite end slightly convex. The convex end-portion of the inner part of the frame is provided with a rearwardly-projecting inclined cam-piece *e*, which, like the transverse bar *b*, is stamped up by suitable dies integrally with the frame. The overlapping strap *d*¹ is passed over the rim *a*¹ and through the opening between one end of the frame *a* and the transverse bar *b*, then over the forward edge of the inclined bar *b*, then backwardly over the edge of the inwardly-bent clamping member or cam-piece *e* in outward direction, as shown in Fig. 3, and rigidly held in position, without requiring prongs or teeth, by the "biting" action of the edges of the bar *b* and cam-piece *e*, so that it is impossible for the strap to be shifted in the buckle. The greater the strain which is exerted on the strap, the greater will be the strain of the buckle on the overlapping strap *d*¹ and the pressure of the underlapping strap *d* on the overlapping strap at the point where the overlapping strap passes over the edge of the backwardly-inclined cam-piece *e*, so that when the strap is once adjusted it is always rigidly held in the same position.

As the buckle can be stamped by means of dies from suitable sheet-metal, it can be supplied at a very low price. It can be finished either by japanning or by nickel or silver plating. It forms an effective buckle for garment-straps of all kinds in which the use of prongs or teeth of any kind is dispensed with and the clamping action of the parts entirely relied upon.

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

In a fastening device for trousers or other garments, the combination of a buckle-frame having a rearwardly-turned flange around its rear-face, a centrally and rearwardly projecting clamping member at one end of the frame, a transverse bar connecting the side-pieces of the frame intermediately of the ends thereof, said bar being inclined to be parallel with said clamping member, an underlapping strap secured to the rear-part of the transverse bar and passing said clamping member at the end of the

frame, and an overlapping strap passing
against said flange at the end of the frame
opposite the clamping bar and against the
front-edge of said transverse bar and against
5 and between said underlapping strap and
the edge of said clamping member.

In testimony, that I claim the foregoing

as my invention, I have signed my name in
presence of two subscribing witnesses.

MENDEL SCHWARTZ.

Witnesses:

PAUL GOEPEL,
J. A. COOK.