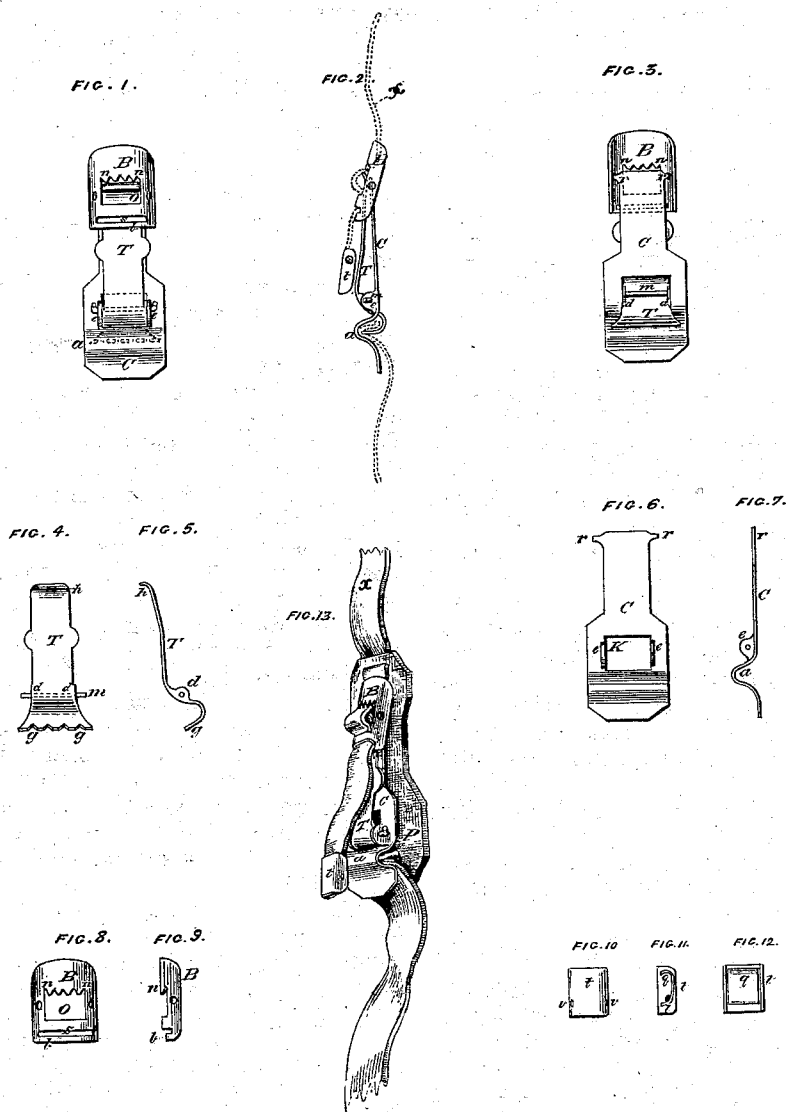


C. J. WELDON.
Suspension-Buckles.

No. 153,917.

Patented Aug. 11, 1874.



Witnesses :

Algernon S. Austin
James Blanchard

Inventor:

Christopher J. Weldon,
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UNITED STATES PATENT OFFICE.

CHRISTOPHER J. WELDON, OF SAN JOSÉ, CALIFORNIA.

IMPROVEMENT IN SUSPENSION-BUCKLES.

Specification forming part of Letters Patent No. **153,917**, dated August 11, 1874; application filed April 9, 1874.

To all whom it may concern:

Be it known that I, CHRISTOPHER J. WELDON, of San José, Santa Clara county, State of California, have invented a Suspension-Buckle, of which the following is a specification:

My invention relates, first, to a suspension-buckle consisting, essentially, of three pieces—a buckle-top, tongue, and body-piece, so arranged, dependent, and connected with one another, that when a suspender is threaded into such buckle-top so as to rest against the top of the tongue, and the material or article to be suspended is placed in position so as to be caught between the bent bottom end of this tongue and body-piece, any tension that may be brought to bear on the suspender, together with the weight of the article suspended, shall draw and hold them tighter together, and form by such compression, without injury to the materials thus connected, a most effective suspension-buckle. Secondly, my invention also relates to an adjustable tab fitted to the end of the suspender thus caught, so as to prevent such suspender from being withdrawn during any subsequent readjustment of the suspension-buckle for tightening or loosening purposes.

Figure 1 is a front view of a suspension-buckle embodying my invention. Fig. 2 is a side or end view of Fig. 1, showing the position of a threaded suspender, *x*, with tab attachment as well as the article suspended. Fig. 3 is a rear view of Fig. 1. Figs. 4 and 5 are a front and side view, respectively, of the tongue of the suspension-buckle, shown detached from the top buckle and body-piece. Figs. 6 and 7 are a front and side view, respectively, of the body-piece of the suspension-buckle embodying my invention. Figs. 8 and 9 are a front and side view, respectively, of the buckle-top of the suspension-buckle embodying my invention. Figs. 10, 11, and 12 are a front, central section, and rear view, respectively, of a tab, to be attached to the end of a suspender after being threaded through the buckle-top aforementioned. Fig. 13 is a perspective view of a suspension-buckle embodying my invention, fitted all complete with the tab to a suspender and leather pad *P* for prevention of friction.

With reference to the figures in the drawing, *B* is the buckle-top; *T*, the tongue; *C*, the body-piece, and *t* the tab. The buckle-top *B* consists of a bent piece of sheet metal, provided with teeth *n* at the top of a central opening, *O*, a slot, *s*, immediately beneath this opening, and on each side small holes for the top projections *r* of the body-piece *C* to fit into, so as to allow of its pivoting thereon. The body-piece *C* consists, also, of a piece of sheet metal, which is shaped narrow at the top, so as to fit the buckle-top *B* aforementioned, and broad at the bottom, where it is pinched forward in the form of a *U*, so as to admit of the bent end of the tongue *T*. Over this bent portion or catch *a* an opening, *K*, is provided, for this tongue *T* to fit into and pivot on the ears *e e* of the body-piece by means of corresponding ears *d d* and pin *m*. At the bottom bent end portion of this tongue *T*, where it is made considerably broader, teeth *g g* are provided, so as to obtain a better gripe of any material placed between it and the body-piece *C*, and at the top it is slightly bent forward into a lip, *h*, so as to catch any suspender that may be placed between it and the buckle-top teeth *n*, but without in any way piercing such material or suspender, as both these upper and lower teeth have flattened edges. The tab *t* consists of a small bent piece of sheet metal, wherein another bent piece, *q*, pivots at *v v*, so as to form a kind of box, in such manner that after having been opened by swinging this lid *q* backward, and passing the end of a suspender into it, the closing of this lid will cause the portion *l*, from its bent shape, to press tighter on this suspender, and thus secure it the more perfectly the more it is pressed home.

In applying this suspension-buckle, the spring-tongue *T* is pressed back against the body-piece *C*, the buckle-top *B* pivoted round at right angles to the body-piece, and the tongue, thus disengaged, brought forward. A suspender is now threaded through the opening *O* next to the teeth *n*; then passed over the top of the body-piece, then back through this opening, and again threaded through the slot *s*, so as to rest on the top of the depressed bar *b* of the buckle-top *B*, where the end is secured to the tab *t* so as to prevent it being

withdrawn during any subsequent adjustment. The article to be suspended is placed into the U-shaped portion *a* of the body-piece, and the tongue *T* is immediately brought back to its original position with reference to the buckle-top *B* and body-piece *C*, as shown in Fig. 2. The suspender, article to be suspended, and connecting-buckle will now be found all firmly bound together, and the greater the tension brought to bear in opposite directions on such suspender and suspended article to draw them apart, the more firmly will they be held together.

One of the principal advantages claimed in this buckle is, that it secures by compression only, since both the upper and lower teeth, *n* and *g*, respectively, have flat edges, so as not

to puncture, and consequently injure, the suspender or article suspended.

I claim as my invention—

1. The combination, in a suspension-buckle, of a top buckle-piece, *B*, provided with slot *s* and the teeth *n* at the opening *O*, spring-tongue *T*, provided with lip *h* and teeth *g g*, and the body-piece *C*, substantially as and for the purposes specified.

2. The combination of the adjustable clip or tab *t*, provided with pivoted lid *q* and tongue *l*, with the suspension-buckle, substantially as and for the purpose specified.

CHRISTOPHER J. WELDON.

Witnesses:

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LIONEL VARICAS.