

(No Model.)

C. S. WELLS.
SUSPENDER BUCKLE.

No. 296,803.

Patented Apr. 15, 1884.

Fig. 1.

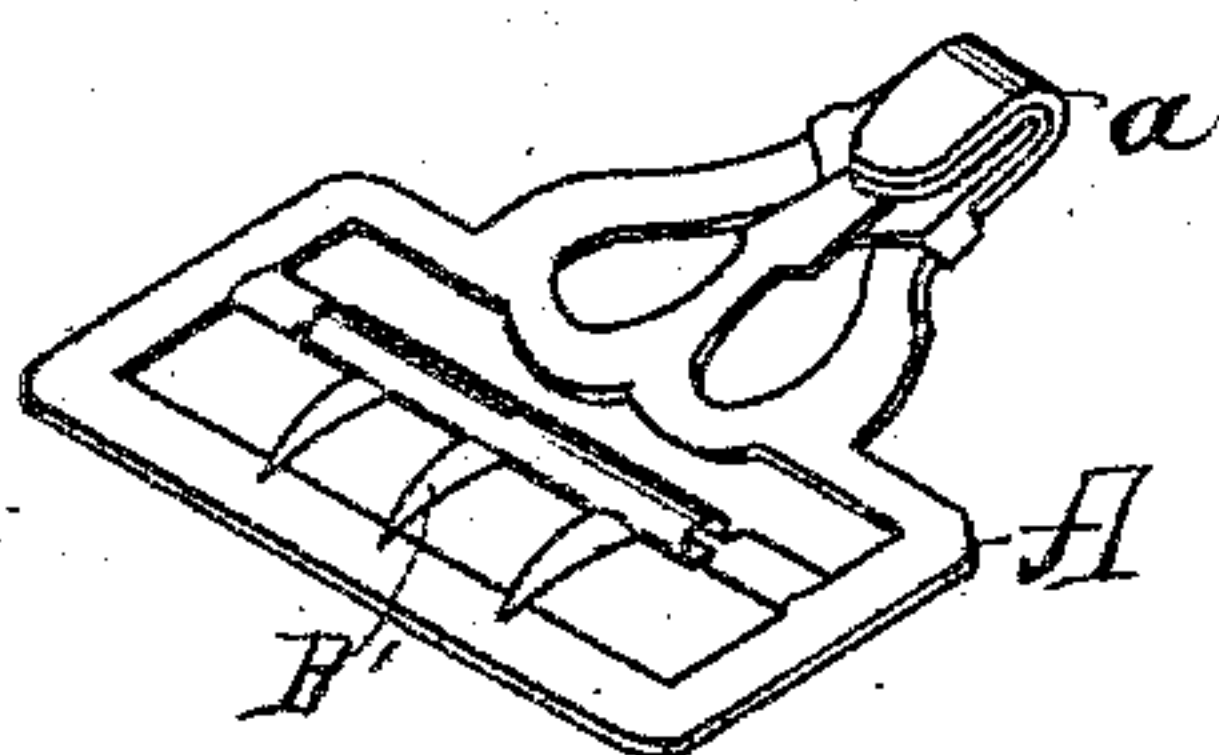


Fig. 2.

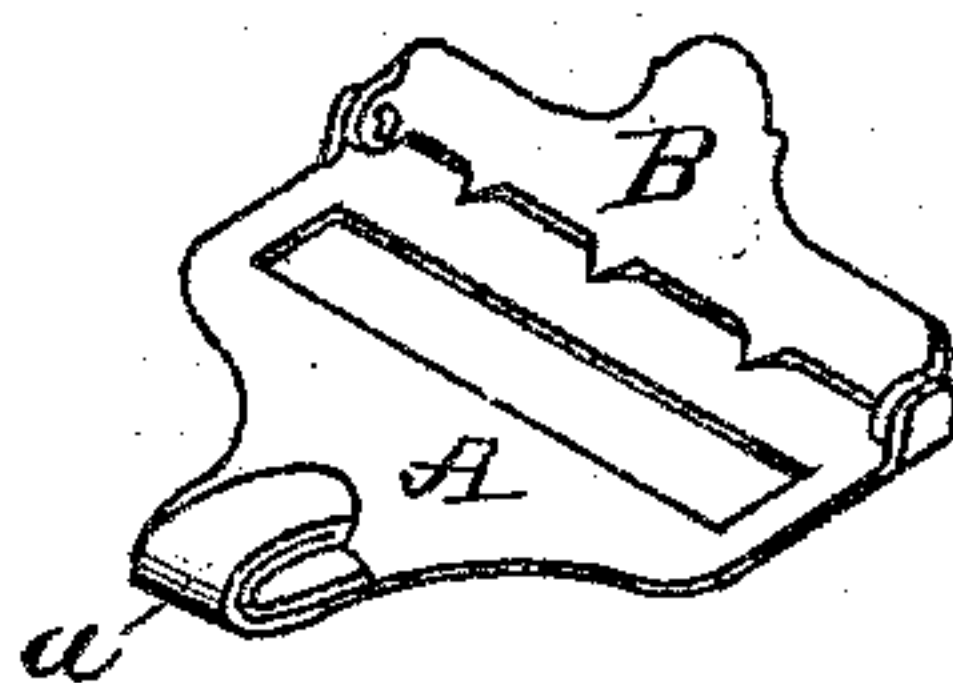
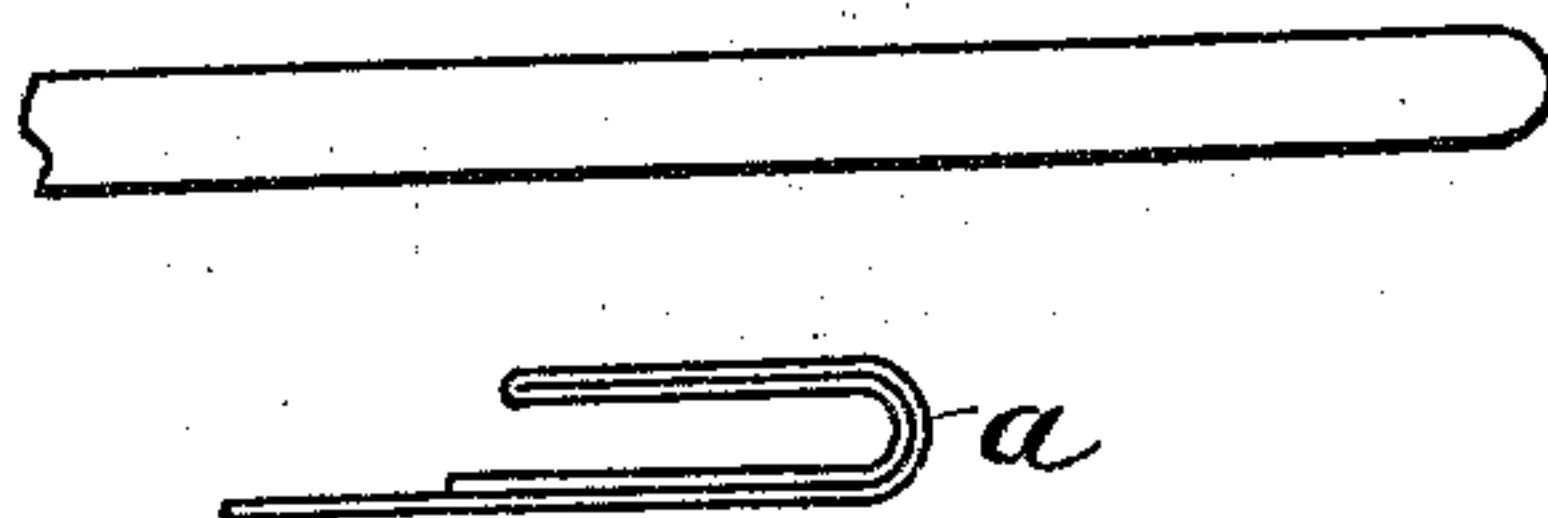


Fig. 3.



Witnesses:

Wm. A. Rosentbaum
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Inventor:

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Atty

UNITED STATES PATENT OFFICE.

CHARLES STARK WELLS, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO ALVIN M. CUSHING, OF SAME PLACE.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 296,803, dated April 15, 1884.

Application filed January 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. WELLS, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Suspender-Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to suspender-buckles, and its object is economy in the manufacture thereof; and to this end it consists, in a suspender-buckle made from thin sheet metal, of a double or re-enforced hook, whereby a maximum of strength is obtained from an extremely light and thin metal.

Hitherto in the manufacture of buckles from sheet-brass the lightest material which might be used to produce a practically efficient buckle was No. 22 brass, notwithstanding some parts of the buckle have been arched and corrugated, in order to give the parts the proper stiffness or rigidity. With my improvement I am enabled to make a buckle of sufficient strength from No. 26 brass by re-enforcing or doubling the hook part thereof, the frame or body being corrugated in the usual way. In this way I am enabled to get from a pound of material about thirty more buckles than would be the case if I used No. 22 brass.

In the drawings, Figure 1 is a perspective of a tongue-buckle, showing my re-enforced hook. Fig. 2 is also a perspective of a lever buckle or fastening also provided with the re-enforced hook. Fig. 3 shows the point of the blank and the manner of folding or doubling it in order to give the re-enforce in the form preferred by me.

A is the frame, B the lever, B' the tongue, and *a* the re-enforced hook.

In Fig. 1 the hook is represented as being re-enforced by a separate piece attached either by folding ears around parts of the primary hook, or it may be soldered thereto. It is obvious that the re-enforce may be either inside or outside of the hook. I prefer, however, to place it inside.

In Figs. 2 and 3 I have represented the hook as consisting of a double thickness of the same piece, folded as shown. This double part, by preference, is soldered together, although a practically good hook may be obtained by simply folding and bending the metal together to form the hook. In this way that part of the buckle which would give way first under undue strain is made of a strength equal to the other part.

In the form of hook or catch shown in Fig. 2, when made of the extremely light metal described, the journals or pins should be upset or clinched, as described and claimed in my Patent No. 292,777, dated January 29, 1884.

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

A suspender buckle or fastening made of thin sheet metal, having a hook re-enforced with an additional layer or thickness of stock, as described.

In testimony that I claim the foregoing I hereto affix my signature in the presence of two witnesses.

CHARLES STARK WELLS.

Witnesses:

CHAS. F. SLEEPER,
MARY ABBIE FIFIELD.