

(No Model.)

W. E. SMITH.
SUSPENDER BUCKLE.

No. 319,860.

Patented June 9, 1885.

Figure 1.

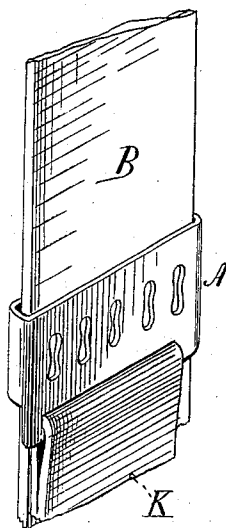


Figure 2.

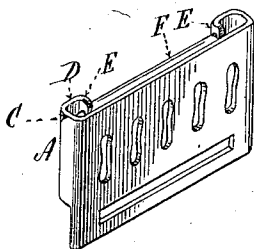


Figure 3.

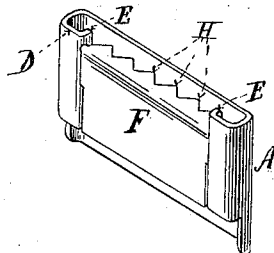


Figure 4.

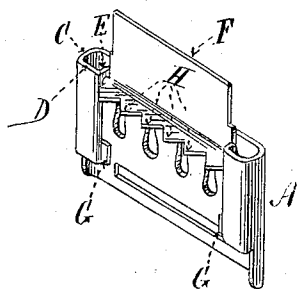


Figure 5.

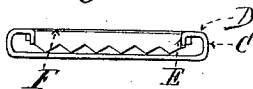
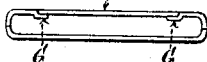


Figure 6.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 319,860, dated June 9, 1885.

Application filed March 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. SMITH, of Ansonia, New Haven county, Connecticut, have invented a new and useful Improvement in Suspender-Buckles, of which the following is a full, true, and exact description, reference being had to the accompanying drawings.

The object of my invention is to produce a clamping device by means of which a fabric passing through the same—as, for instance, the webbing of a suspender—may be firmly clasped and prevented from longitudinally slipping, while at the same time the buckle itself presents no tearing or wearing surface which might be liable to injure the garments of the wearer.

My invention will be readily understood from the accompanying drawings, of which Figure 1 represents a general perspective view of my invention with the suspender-webbing in place; Fig. 2, a separate view of the buckle; Fig. 3, a view of the reverse side of the buckle with the friction-teeth closed; Fig. 4, the same view with the teeth open; Fig. 5, an upper end view of the parts shown in Fig. 3; Fig. 6, a lower end view of the same.

My buckle consists of two pieces—the fixed part A and the pivoted swinging part F. The construction of the fixed part A, which surrounds the webbing, is as follows: A piece of metal is bent, in the first place, at right angles to itself at both ends, as shown at C, then again at right angles to itself, as shown at D, and then again at right angles to itself, as shown at E. Suitable holes for the pivots of the piece F are then bored in the bent parts E of the metal. The part F swings upon these pivots, and when in position, as shown in Fig. 3, the teeth H clamp against the material in the buckle. The part F is prevented from swinging in too far toward the other part by the projections or lugs G, against which the part F rests when closed, as is clearly shown in Fig. 6. As shown in said Fig. 6, the section of the closed buckle presents no projections or wearing-surfaces whatever, while at the same time the structure is simple, cheap, and firm. It will be observed that this result is accomplished by

rounding the ends of the part A of the buckle, and pivoting or supporting in them the tongue F, which itself is made flat, and adapted, when closed, to rest upon the lugs G G, so as to form, as it were, a continuation of the back surface of the folds D. The lugs G G are formed of part of the folds D D, and are depressed below the general surface of those folds.

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

1. A suspender-buckle consisting of the part A and the clamping-lever F, the outwardly-projecting trunnions of the clamping-lever projecting into the hollow space within the metal of the part A, said space being formed by the returning bend of the metal, the bend being provided with lugs, and the clamping-lever being protected by said metal from contact with the garment, substantially as described.

2. The combination of the metal piece A, having the folds C, D, and E, and the lugs G and tongue or lever F, substantially as described.

3. The metal buckle-body A, having the folds C and D, and the projecting lug G, formed of part of the metal of the body and depressed below the surface of the fold D, substantially as described.

4. The combination of the metal buckle-body A, having the folds C and D, and the projecting lug G, formed of part of the metal of the body and depressed below the surface of the fold D, with a tongue pivoted or supported in said buckle body A, and combined therewith so as to rest, when closed, upon the lug G, substantially as described.

5. The combination of the metal buckle-body A, having the folds C and D, and the projecting lug G, formed of part of the metal of the body, with a tongue pivoted or supported in said buckle-body A, and combined therewith so as to rest, when closed, upon the lug G, substantially as described.

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Witnesses:

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