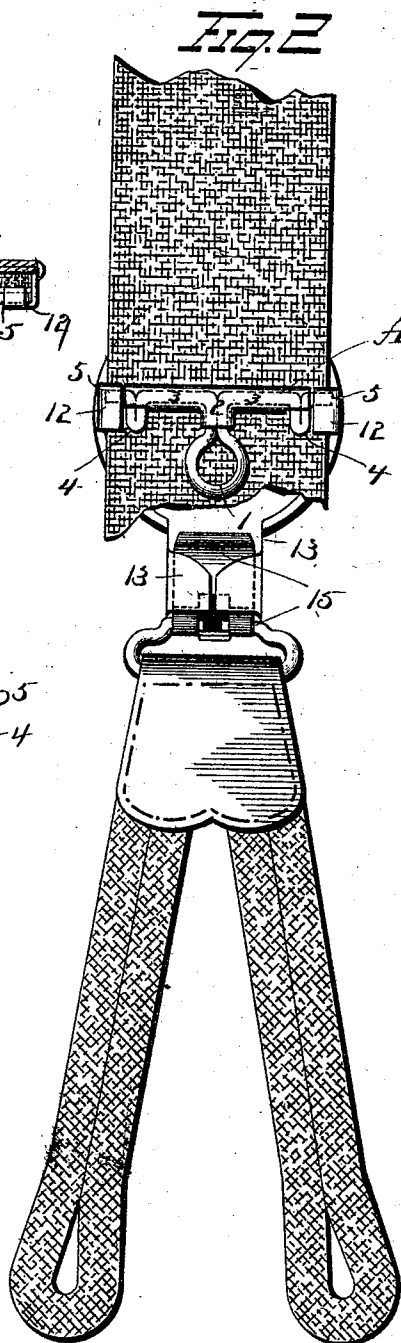
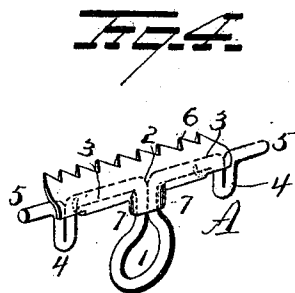
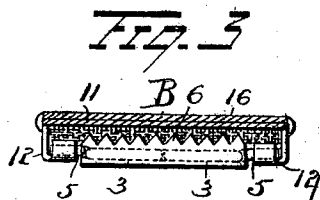
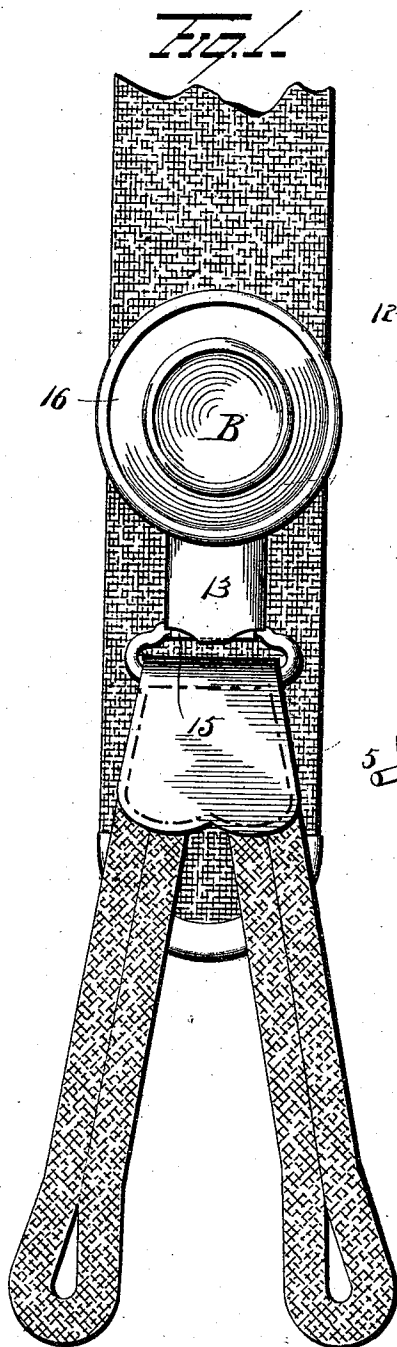


(No Model.)

C. R. HARRIS.
SUSPENDER BUCKLE.

No. 501,067.

Patented July 11, 1893



Witnesses
G. E. Nottingham
D. R. Cowl

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UNITED STATES PATENT OFFICE.

CHARLES R. HARRIS, OF WILLIAMSPORT, PENNSYLVANIA.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 501,067, dated July 11, 1893.

Application filed June 21, 1892. Serial No. 437,443. (No model.)

To all whom it may concern:

Be it known that I, CHARLES R. HARRIS, of Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain
5 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
10 use the same.

My invention relates to an improvement in suspender buckles, the object being to provide a buckle particularly adapted for use upon suspender straps of different thick-
15 nesses which will adjust itself when clamped to one strap as well as to another whereby a secure fastening is always effected.

A further object is to provide a buckle having an extended surface which may be used
20 for ornamentation to give the buckle a neat and attractive appearance.

With these objects in view my invention consists in certain novel features of construction and combinations of parts, as will be
25 hereinafter described and pointed out in the claims.

In the accompanying drawings Figure 1 is a view in front elevation of my improved buckle. Fig. 2 is a view in rear elevation.
30 Fig. 3 is a vertical section through the center of the buckle. Fig. 4 is a detached view of the improved clamping lever.

A represents the clamping lever which constitutes a leading feature of my present invention. This lever preferably comprises
35 two parts namely a wire and a thin metal plate secured to the wire in such a manner that the two parts are to all intents and purposes a single device. The wire is bent in
40 the middle to form a handle 1 by which the lever is operated. This handle may be in the form of a loop as shown or differently constructed if preferred. From this central point the two parts of the wire are bent together to
45 form the shank 2 and thence they extend outwardly in opposite directions and approximately at right angles to the shank and handle as shown at 3, 3. Then decided bends 4,
50 finally the parts of the wire terminate in pin-

cles 5, 5, which are preferably in alignment with the portions at 3, 3. The springs 4, 4, may be formed by a simple U-shaped bend in the wire or they might be made by means of a spiral turn in the wire, the main idea
55 being to form a stiff spring in the lever at this point, and the stiffness of this spring could be varied more or less by varying the length of the springs.

The thin metal plate referred to is provided
60 with a straight serrated or toothed edge 6 which forms the biting or gripping portion of the lever. The inner edge of this toothed or serrated portion is bent backward at about
65 right angles to the toothed or serrated portion and then around the portions 3, 3 of the wire, that is to say the plate is secured to the wire at some point between the springs. Also a central portion of the plate is extended
70 backward and bent around the shank or handle as at 7, 7, so that a perfectly rigid connection is formed between the two parts, and they become in effect one part.

B represents the body of the buckle. This portion of the buckle may be constructed after
75 various patterns but the form which has thus far proved most satisfactory is that shown wherein the body portion is made circular. This portion is composed of a thin metal disk
80 11 provided at opposite points with backwardly turned ears 12, 12, in which bearings are formed for the pintles 5, 5. At a point midway between these ears a tongue 13 is formed and on the back of this a socket adapted to receive the cast-off 15 is located.
85

A raised plate 16 conforming to the general shape of disk 11 is placed over the latter and its edges are bent or spun around the edges of the disk between the ears and tongue and ears. This plate may be ornamented or embel-
90 lished in any approved manner to lend attractiveness to the buckle and it is for this purpose that it is especially adapted.

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

1. In a suspender buckle, the combination with a body portion, of a clamping lever hinged thereto, said lever having springs
100 formed at or near its axial ends, and a biting

or gripping portion located between the springs, and adapted to bear yieldingly upon and accommodate itself to suspender straps of different thickness, substantially as set forth.

- 5 2. In a suspender buckle, the combination with a body portion, of a clamping lever hinged thereto, said lever comprising a wire bent to form springs and bearing pintles and a thin plate of metal having a toothed or ser-

rated edge secured to the wire between the springs, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES R. HARRIS.

Witnesses:

E. I. NOTTINGHAM,
HARRY B. ARMES.