

No. 667,003.

Patented Jan. 29, 1901.

A. J. DAVIDSON.
BUCKLE.

(Application filed Aug. 23, 1900.)

(No Model.)

FIG. 1.

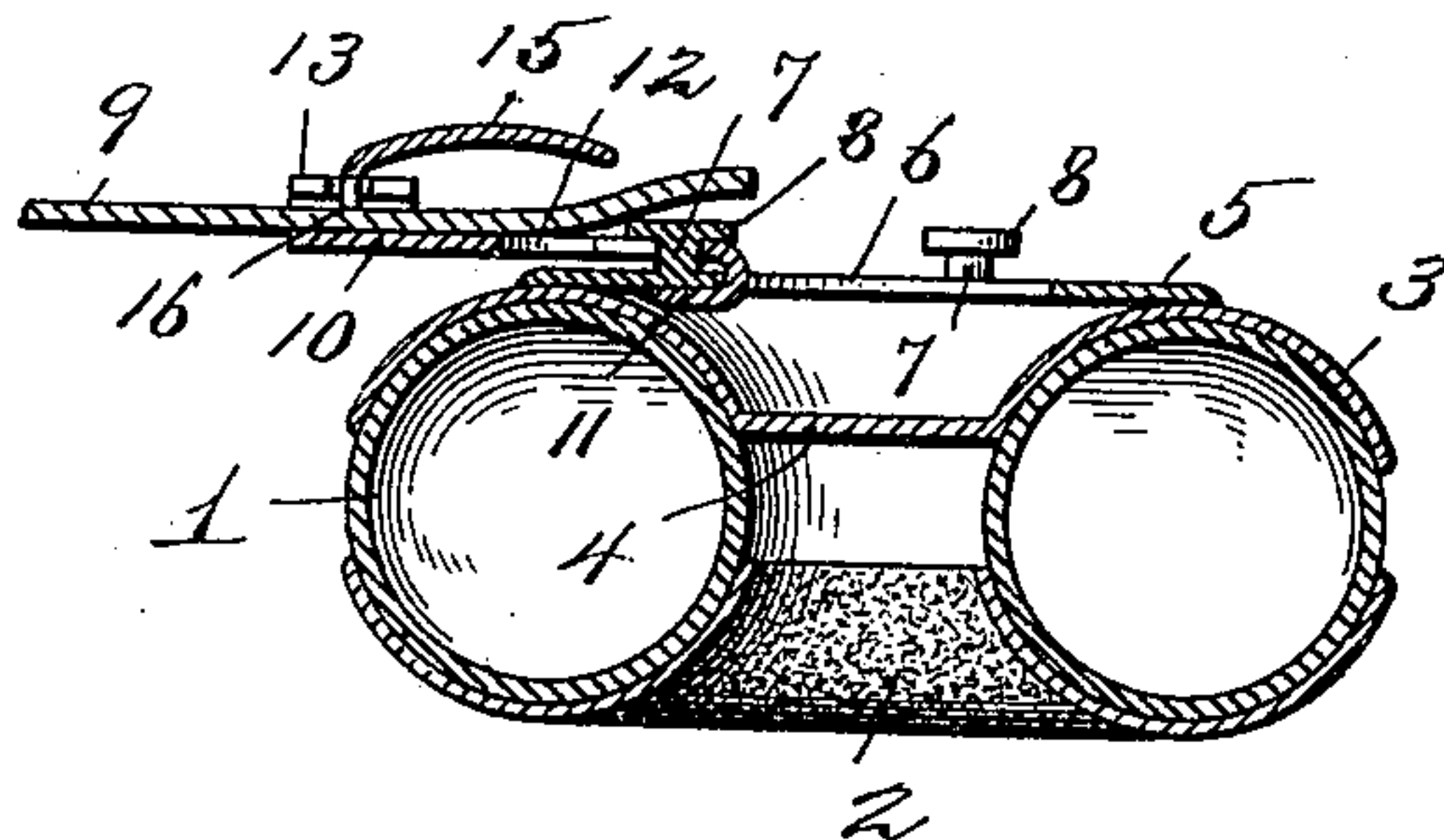


FIG. 2.

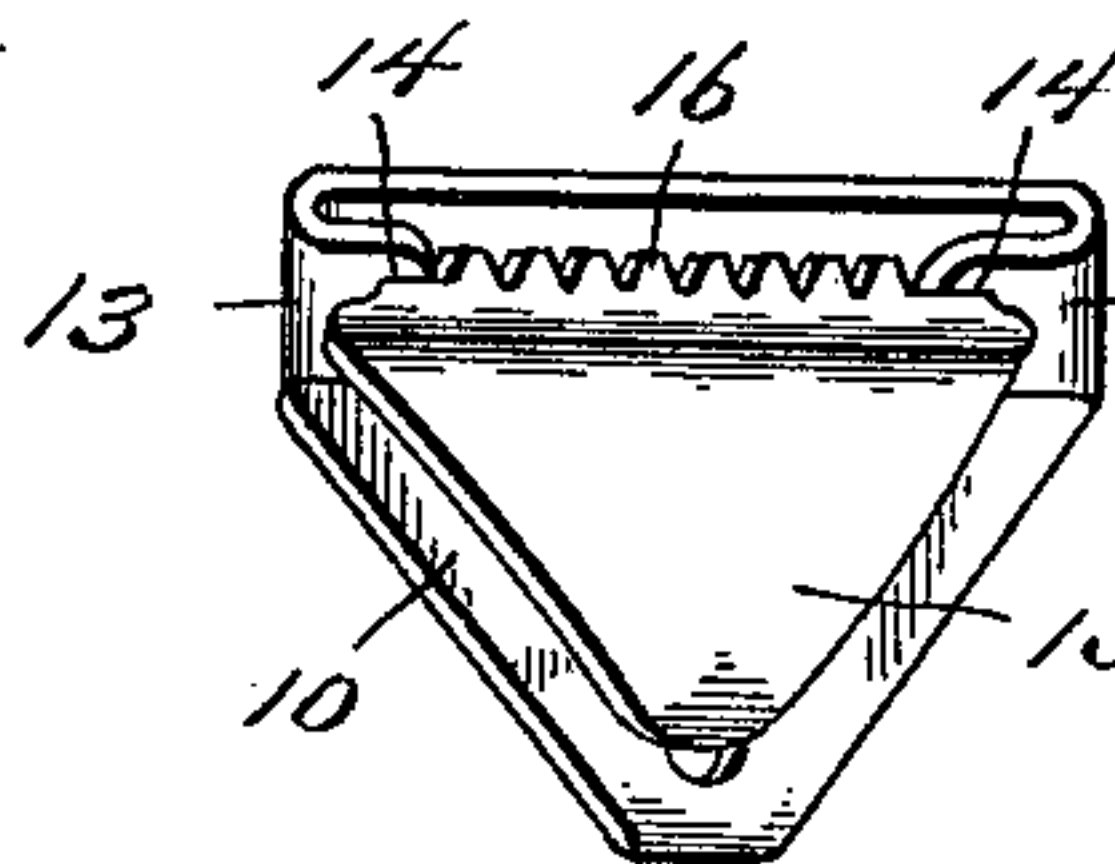


FIG. 3.

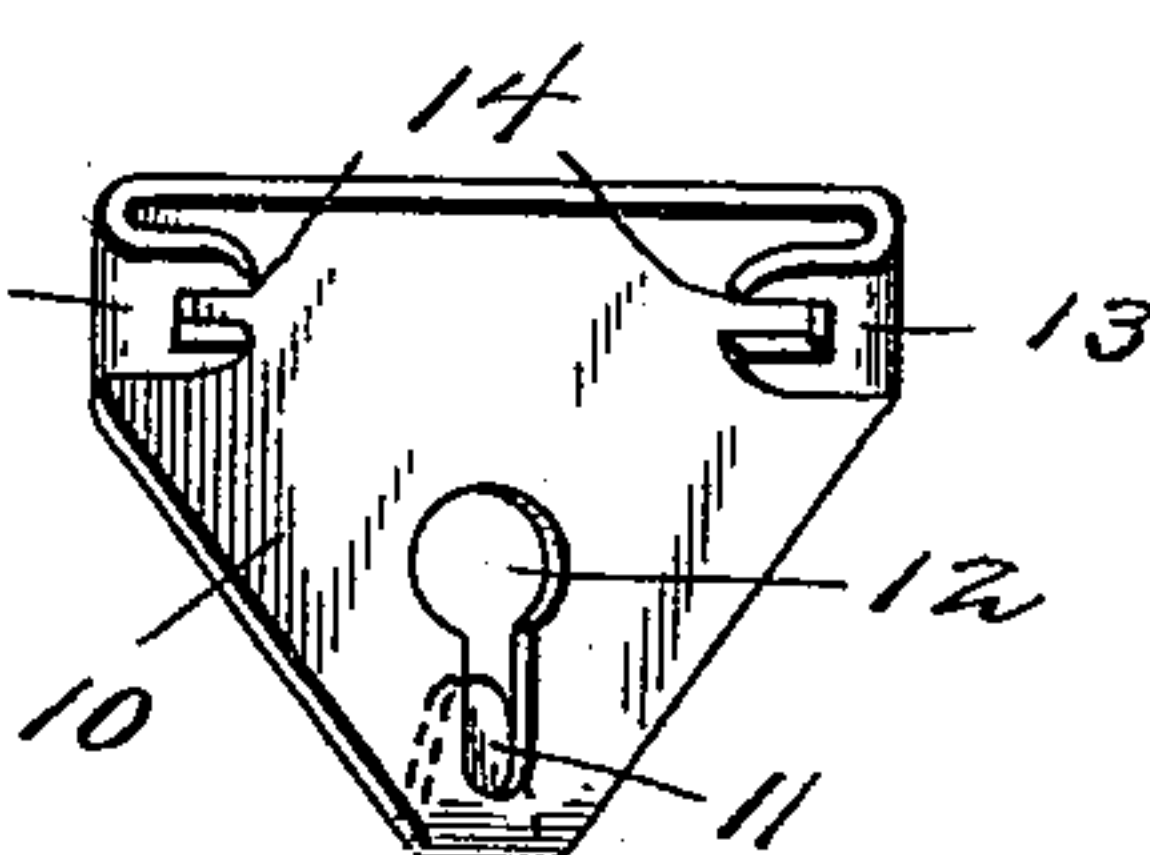
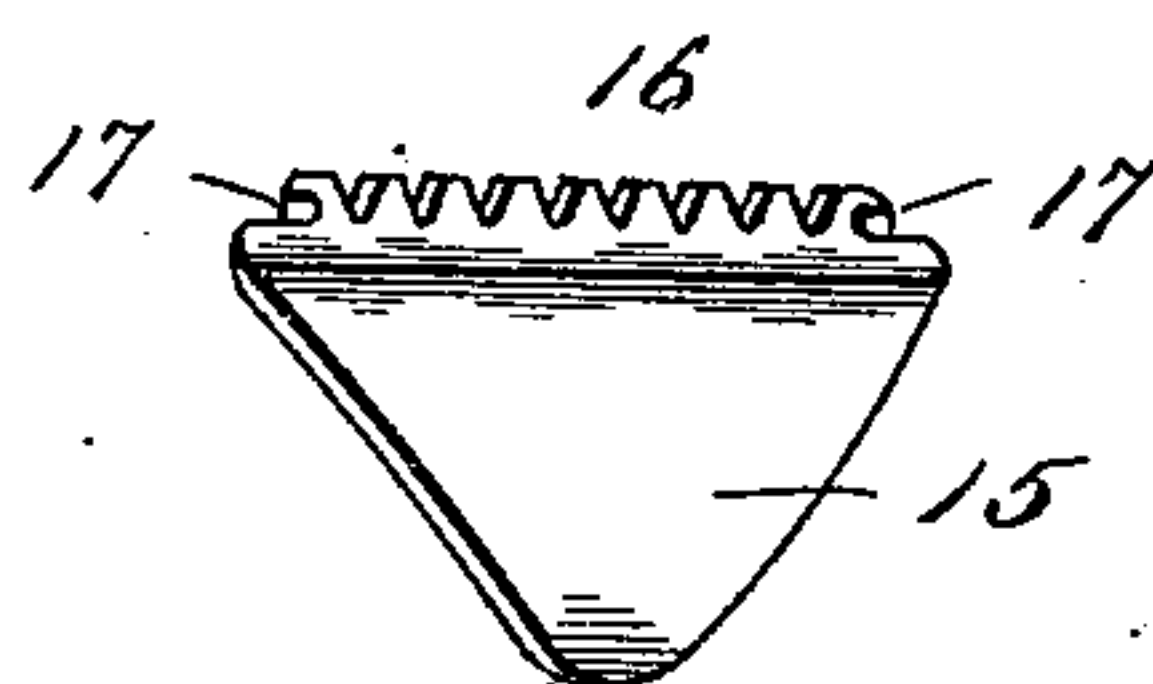


FIG. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

AUSTIN J. DAVIDSON, OF DOUGLAS CITY, CALIFORNIA.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 667,003, dated January 29, 1901.

Application filed August 23, 1900. Serial No. 27,803. (No model.)

To all whom it may concern:

Be it known that I, AUSTIN J. DAVIDSON, a citizen of the United States of America, residing at Douglas City, in the county of Trinity and State of California, have invented a certain new and useful Buckle, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to buckles; and it is designed with special reference to truss-pad holders, being intended to form the connection between such holder and the securing strap or band, enabling the band or strap to be adjusted in length to suit the wearer. While the buckle is especially designed for the above purpose, it will be apparent that said buckle may be used in other ways and for other purposes and, in fact, wherever it is necessary to adjust the length of a strap or band.

The detailed objects and advantages of the invention will appear more fully in the course of the following description.

The invention consists in a buckle involving certain novel features and details of construction and arrangement of parts, as hereinafter fully described, and illustrated in the drawings.

In the accompanying drawings, Figure 1 is a sectional view of a pad-holder and buckle, showing the manner in which the buckle engages the pad-holder. Fig. 2 is a perspective view of the buckle detached. Fig. 3 is a detail view of the buckle-frame. Fig. 4 is a similar view of the buckle tongue or clasp.

Similar numerals of reference designate corresponding parts in all the figures of the drawings.

Referring to the drawings, 1 designates a truss-pad having a central opening 2, and 3 indicates a pad-holder, preferably formed of metal pressed into shape and provided with a central hollow boss 4. The back of the holder is partially closed by a disk-shaped plate 5, secured in any convenient manner thereto and provided with a central opening 6. This plate forms an inwardly-extending annular flange, with and beneath which the hook hereinafter described engages. The plate 5 is also provided at intervals with studs 7, with or without heads 8, said studs being intended to receive buckles attached to a

suitable strap 9, by means of which the truss-pad and holder are secured to the body.

The buckle comprises a frame 10, approximating a triangle in form and having one end bent or recurved to form a hook 11, the body of the buckle being further provided with a keyhole-slot 12, designed to receive any one of the studs 7. The buckle-frame is also provided with opposite extensions 13, which are bent inward toward each other and provided in their extremities with notches 14, forming fulcrum-steps for the tongue or clasp of the buckle, which is indicated at 15. This tongue or clasp is preferably triangular in form and has one edge bent at an angle and provided with teeth 16 to engage the strap 9, which passes beneath the buckle-tongue and also beneath the bent portions 13 of the buckle-frame. The tongue or clasp 15 is provided with notches 17, and these notches are brought into engagement with the notches 14 of the buckle-frame in the operation of assembling the two parts of the buckle. This provides a pivotal connection between the buckle-frame and buckle-tongue without the use of pins or pivots as such. Further, the buckle-frame is preferably formed of spring material, and when the teeth of the clasp or tongue are in engagement with the strap the bent portions 13 of the buckle-frame act to force the teeth with considerable pressure into the material of the strap 9, so that it is impossible for the strap to become disengaged from the buckle. When the buckle is attached to the pad-holder, the hook 11 passes into the opening 6 of the holder and engages the inner edge of the plate 5. At the same time the stud 7 passes into engagement with the slot 12 of the buckle-frame. The head 8 of the stud passes through the enlarged portion of the keyhole-slot 12, and as linear strain is brought upon the strap the head 8 of the stud engages under the buckle-frame and prevents any liability of the strap becoming detached from the pad-holder. The strap may be of any suitable length to pass around a given portion of the body and is provided at its ends or other suitable points with buckles, such as that described, for engaging the holder and sustaining the pad in proper position upon the body.

I do not desire to be limited to the exact

details of construction shown and described, but reserve the right to change, modify, or vary the construction within the scope of this invention.

5 Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

10 As a new article of manufacture, a buckle for truss-pads, comprising a triangular frame provided in its body portion with a keyhole-slot, one of the corners of the frame being bent inward on one side of the body to form a pad-engaging hook which overlies a portion

of the slot, the remaining corners of the frame being bent inward on the opposite side of the body to form fulcrum-steps, and a tongue fulcrumed in said steps, the hook and slot being adapted to engage a flange and stud respectively on the truss-pad, substantially as described. 15 20

In testimony whereof I affix my signature in presence of two witnesses.

AUSTIN J. DAVIDSON.

Witnesses:

MART FOSTER,
F. J. CONDON.