(No Model.)

G. E. ADAMS.

BUCKLE.

No. 484,279. Patented Oct. 11, 1892.

Fig. 1.

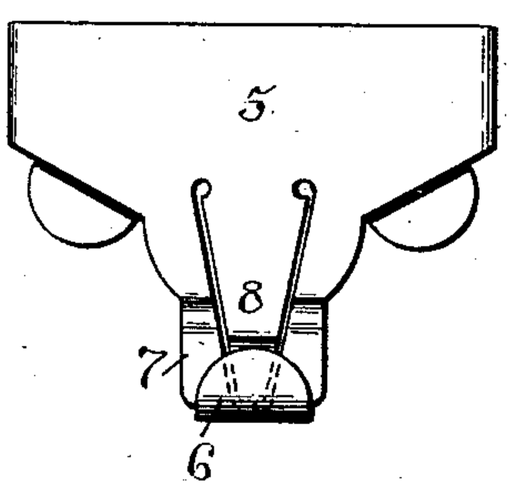


Fig. 2.

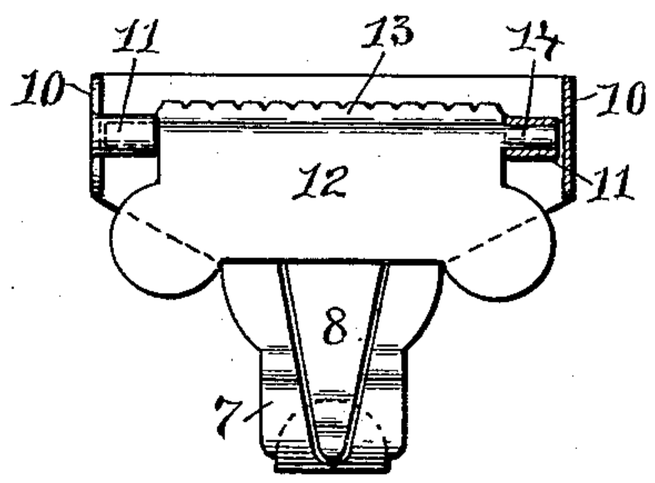
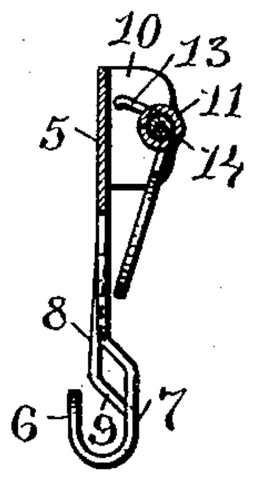


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF PROVIDENCE, RHODE ISLAND.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 484,279, dated October 11, 1892.

Application filed August 29, 1891. Serial No. 404,077. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Buckles; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in that class of buckles used on suspenders.

The object of this invention is to produce a suspender-buckle which may be manufactured at a low cost and in which the pintles carrying the clamping-plate will be more securely journaled than heretofore.

The invention consists in providing the clamping-plate with pintles formed from the flat metal of this plate bent or swaged into the form of hollow wires.

The invention also consists in the peculiar construction of the hook adapted to support the throw-off ring, as will be more fully described hereinafter, and pointed out in the claim.

Figure 1 represents a front view of the improved buckle. Fig. 2 represents a back view of the same. Fig. 3 represents an edge view of the buckle, partly in section, to indicate the construction of the pintles.

Similar numbers of reference designate corresponding parts throughout.

In the drawings, 5 indicates the face-plate of the buckle, which is made of sheet metal and has the depending hook 6, the metal forming this hook being bent so that the rear portion 7 of the hook shall be on a different plane to that of the upper portion of the face-plate and rearward of such plane in order that a pull on this hook will be in a line with the plane of the upper portion of the face-plate. The hook 6 is partially closed by the spring-arm 8, formed integrally with the face-plate and having the cam-shaped bend 9 at the lower portion thereof.

The ears 10 10 are formed from the metal of the face-plates and are bent up at right angles therewith, portions of these ears being bent over toward the center and formed into tubular bearings 11 11 in vertical alignment with each other.

The clamping-plate 12 has the longitudinally-bent portion 13, provided with saw-teeth adapted to engage the suspender-web. At either side of this clamping-plate and in alignment with the shoulder formed by bending the portion 13 therefrom are extensions of the face-plate, which are bent or swaged into hollow shafts or pintles 14, which are adapted to be inclosed within the tubular bearings 11 11 and around which these bearings may be formed, if desired. By the use of these improved bearings I am able to produce a strong and durable buckle in which the pintles are substantially journaled, so that there will be no outward movement of the clamping-plate when the saw-teeth engage with the suspender-web.

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

The combination, with the face-plate 5, having the depending hook 6, the shank of which is in the rear of the plane of the face-plate, the spring-arm 8, partially closing said hook, the ears 10 10, bent up from said face-plate, and the tubular bearings 11 11, bent from the metal of said ears, of the clamping-plate 12, having the bent portion 13 and pintles 14, adapted to engage in the tubular bearings 11 11, as and for the purpose described.

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