

(No Model.)

F. R. DERRICK & A. S. MOORE.  
BUCKLE.

No. 500,705.

Patented July 4, 1893.

FIG. 1.

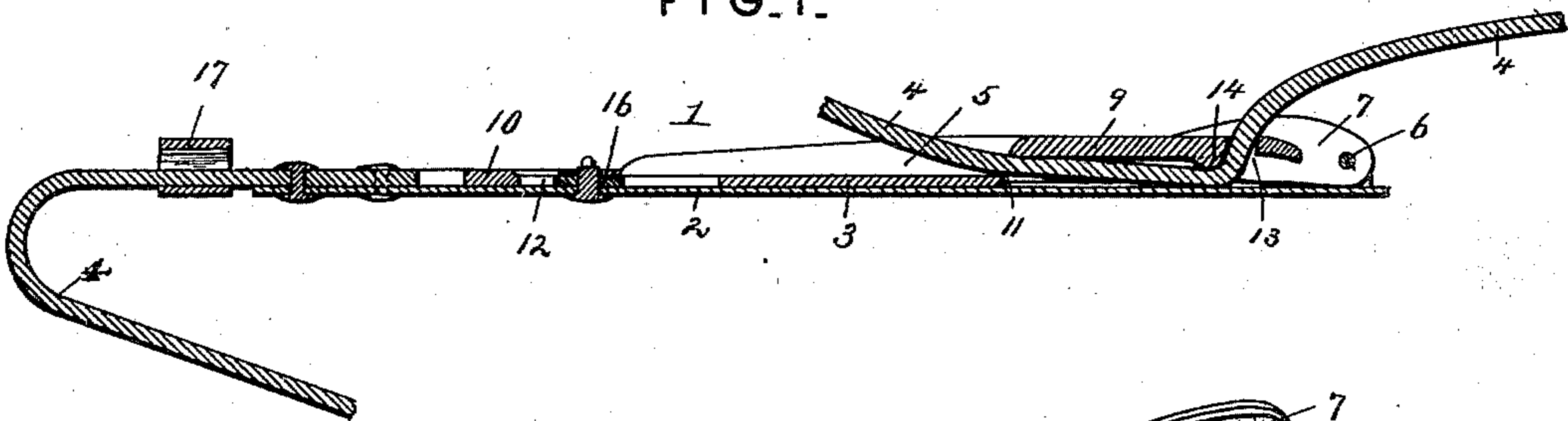


FIG. 2.

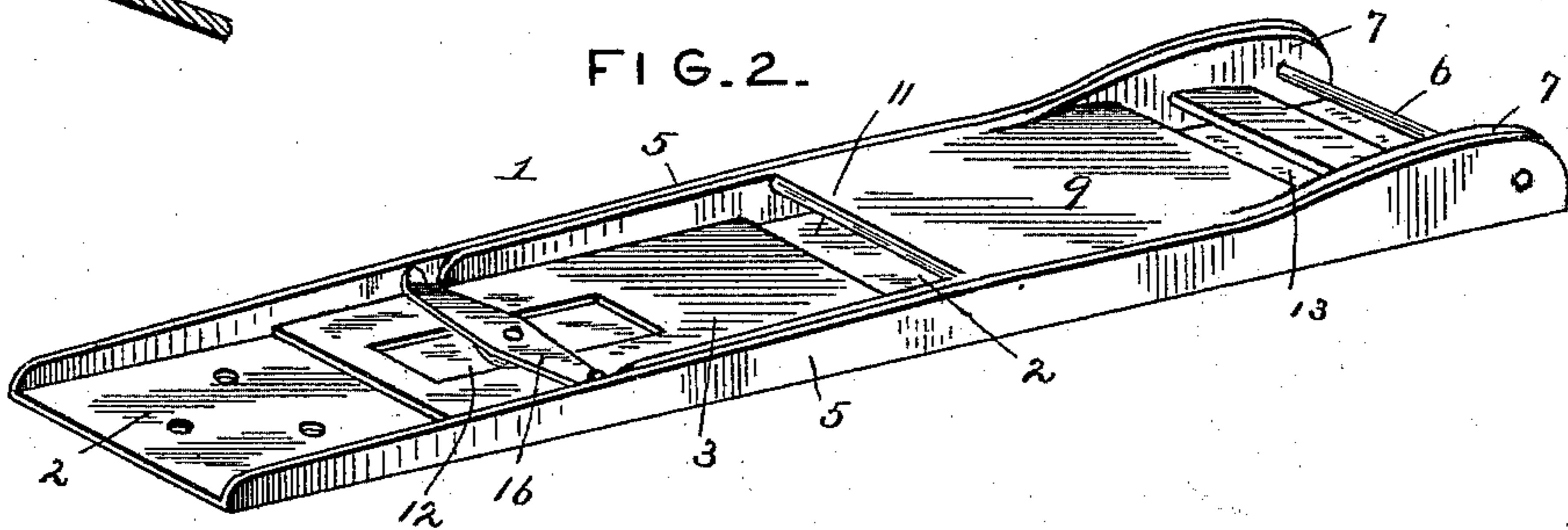
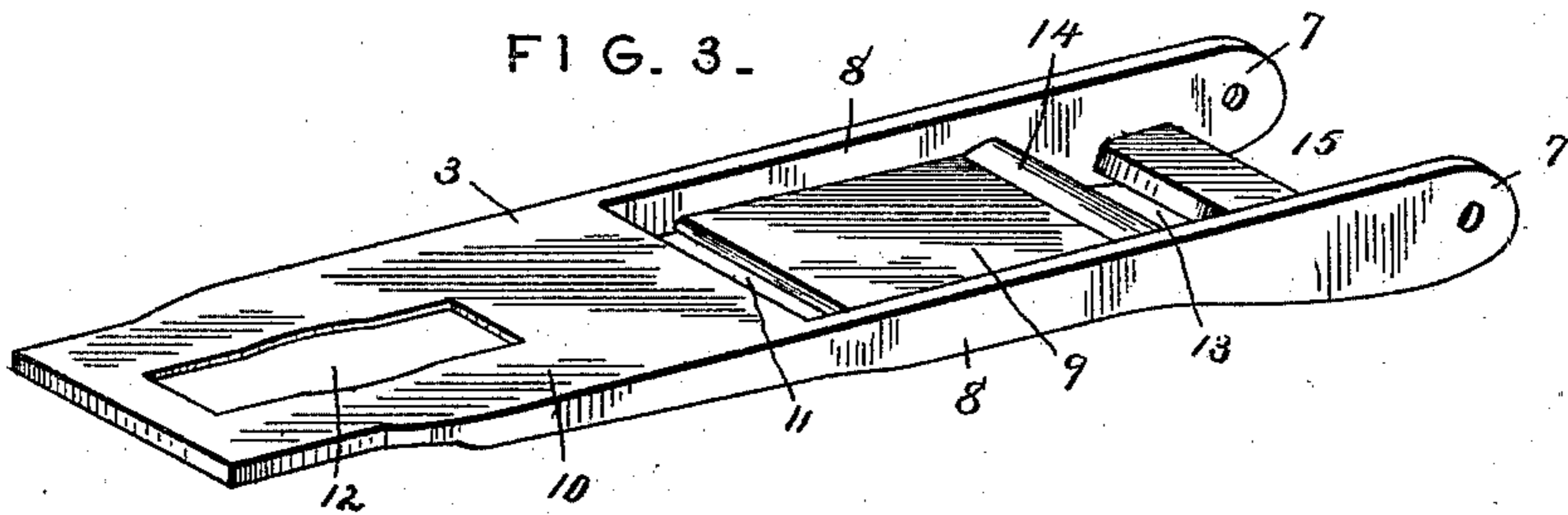


FIG. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

FRANKLIN R. DERRICK AND ADIN S. MOORE, OF BRODHEAD, WISCONSIN.

## BUCKLE.

SPECIFICATION forming part of Letters Patent No. 500,705, dated July 4, 1893.

Application filed September 21, 1892. Serial No. 446,445. (No model.)

*To all whom it may concern:*

Be it known that we, FRANKLIN R. DERRICK and ADIN S. MOORE, citizens of the United States, residing at Brodhead, in the county of Green and State of Wisconsin, have invented a new and useful Buckle, of which the following is a specification.

The invention relates to improvements in buckles.

10 The object of the present invention is to improve the construction of buckles by applying a tightening lever thereto, and to avoid or obviate the necessity of employing the ordinary tongue and holds, and thereby enable 15 the strain to be equally distributed entirely across a strap.

A further object of the invention is to enable a strap to be positively clamped and secured at any desired adjustment.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claims hereto appended.

25 In the drawings—Figure 1 is a longitudinal sectional view of a buckle constructed in accordance with this invention and shown applied to a trunk strap. Fig. 2 is a perspective view of the buckle detached. Fig. 3 is a detail perspective view of the lever.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a buckle comprising a casing 35 2, a lever 3 hinged at its front end to the front of the casing and adapted to clamp the free end of a strap 4 between it and the casing, and a locking device for securing the free end of the lever to the casing. The casing consists of a plate provided with side flanges 5 40 tapering in height and forming at the front of the casing ears which are perforated for the reception of a pintle 6 which also passes through perforated ears 7 of the lever, whereby the latter is hinged to the front of the casing. The lever is provided with tapering side flanges 8 and has front and rear connecting webs or plates 9 and 10 arranged in different planes and having their adjacent edges 45 slightly separated and forming an opening 11. The rear web or plate 10 is arranged at the

lower edges of the tapering sides, and is provided with a longitudinal slot 12; and the front portion 9 of the lever is arranged at the upper edges of the side flanges, and is provided near its front end with a transverse opening 13 through which the free end of the strap is introduced after which the strap is passed upward and outward through the opening 11; and the front portion of the lever 60 is provided at the inner or rear side of the transverse opening and on its lower face with an enlargement or rib 14 which causes the strap to bulge downward, whereby the strap may be securely and positively clamped, and 65 the strap is securely fastened to the lever by being passed through the openings thereof. The front portion of the lever forms substantially a box loop for the strap, and the extreme front end 15 of the front portion of the lever 70 is arranged at the same elevation as the rest of the front portion 9, and forms a cross-piece over which the strap is tightly drawn.

The locking device for securing the lever to the casing consists of a button 16 centrally 75 pivoted to the casing, and adapted to pass through the slot 12 of the lever and to be turned transversely of the same.

The strap is secured at one end to the rear end of the casing, and is provided thereat 80 with a loop 17 to receive the free end of the strap after the same has passed through the buckle.

It will be seen that the buckle is simple, strong and durable, that it dispenses with the 85 ordinary tongue and holds usually employed in straps and buckles, and that a strap may be positively clamped at any desired adjustment and that the strain is equally distributed.

90 In the accompanying drawings, the buckle is shown applied to an ordinary trunk strap, but it is equally applicable to all kinds of straps, where the ordinary construction of buckle can be employed. The lever of the 95 buckle enables a strap to be drawn exceedingly tight without requiring much force, and the locking device enables the strap to be readily released, and does not require any strength to unfasten it.

100 What we claim is—

1. A buckle comprising a casing, a lever

having one end hinged to the casing and provided with strap openings and adapted to clamp a strap between it and the casing, and means for locking the free end of the lever  
5 to the casing, substantially as described.

2. A buckle comprising a casing, a lever having one end hinged to the casing and provided with front and rear portions arranged at different elevations and having an opening  
10 between them, the front portion being provided with a transverse opening and provided with an enlargement to bulge a strap, and a locking device for securing the free end of the lever to the casing, substantially as de-  
15 scribed.

3. A buckle comprising a casing having side flanges, a lever having perforated ears

and hinged between the side flanges of the casing, and provided with strap openings, and adapted to securely clamp a strap and  
20 having at its free end a longitudinal slot, and a button pivoted to the casing and adapted to pass through the slot and to turn transversely of the same to secure the free end of the lever to the casing, substantially as de-  
25 scribed.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

FRANKLIN R. DERRICK.

ADIN S. MOORE.

Witnesses:

BURR SPRAGUE,

A. C. MITCHELL.