

D. DE LANCEY.  
BUCKLE.  
APPLICATION FILED FEB. 13, 1908.

908,582.

Patented Jan. 5, 1909.

Fig. 1.

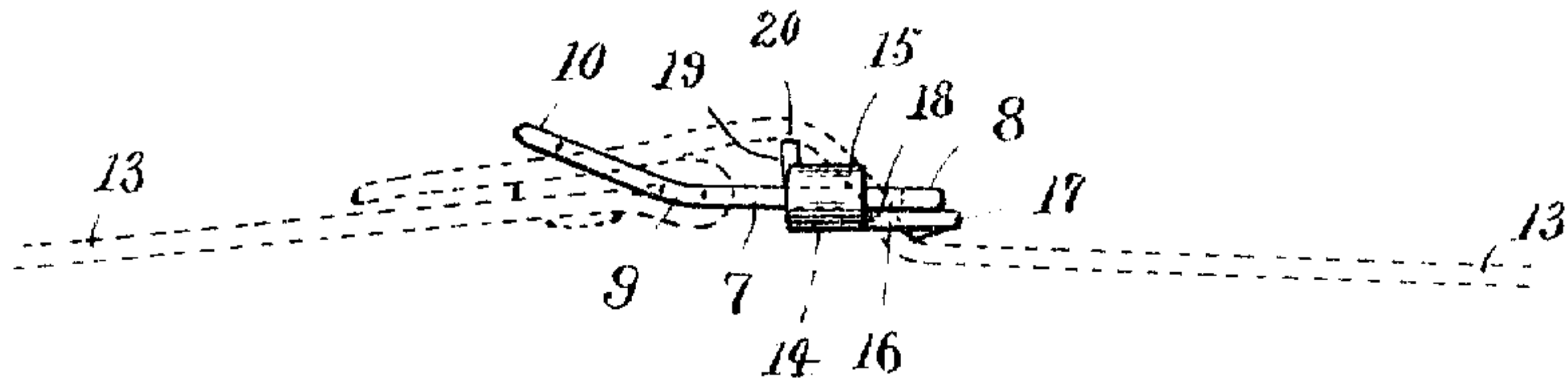


Fig. 6.

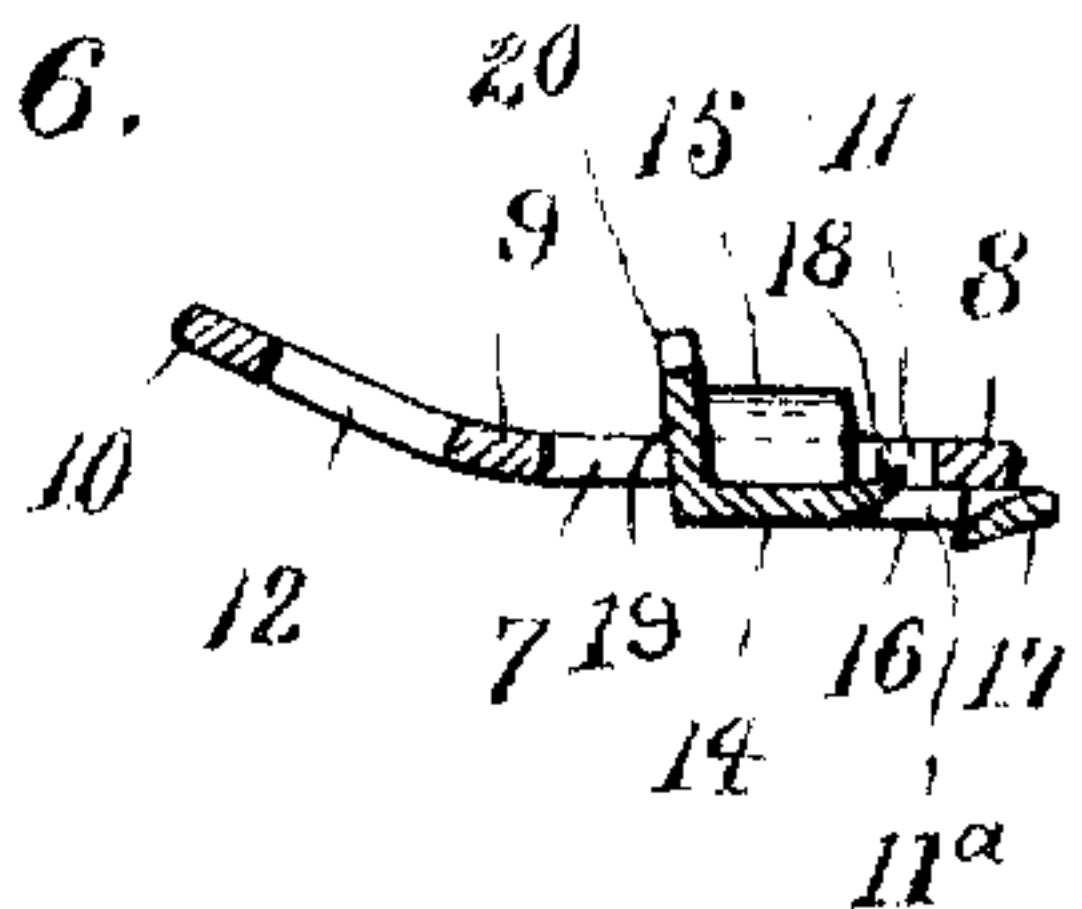


Fig. 2.

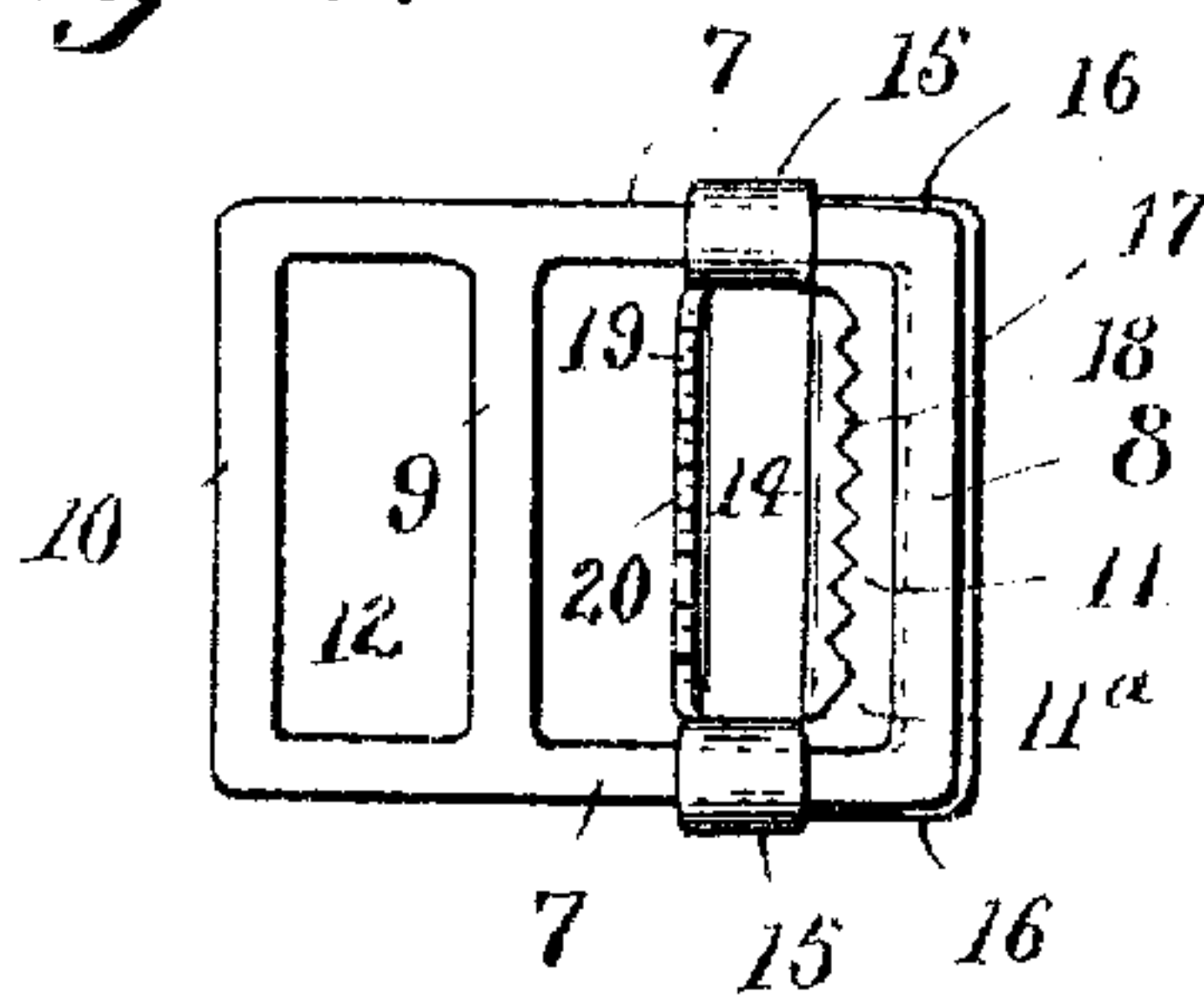


Fig. 4.

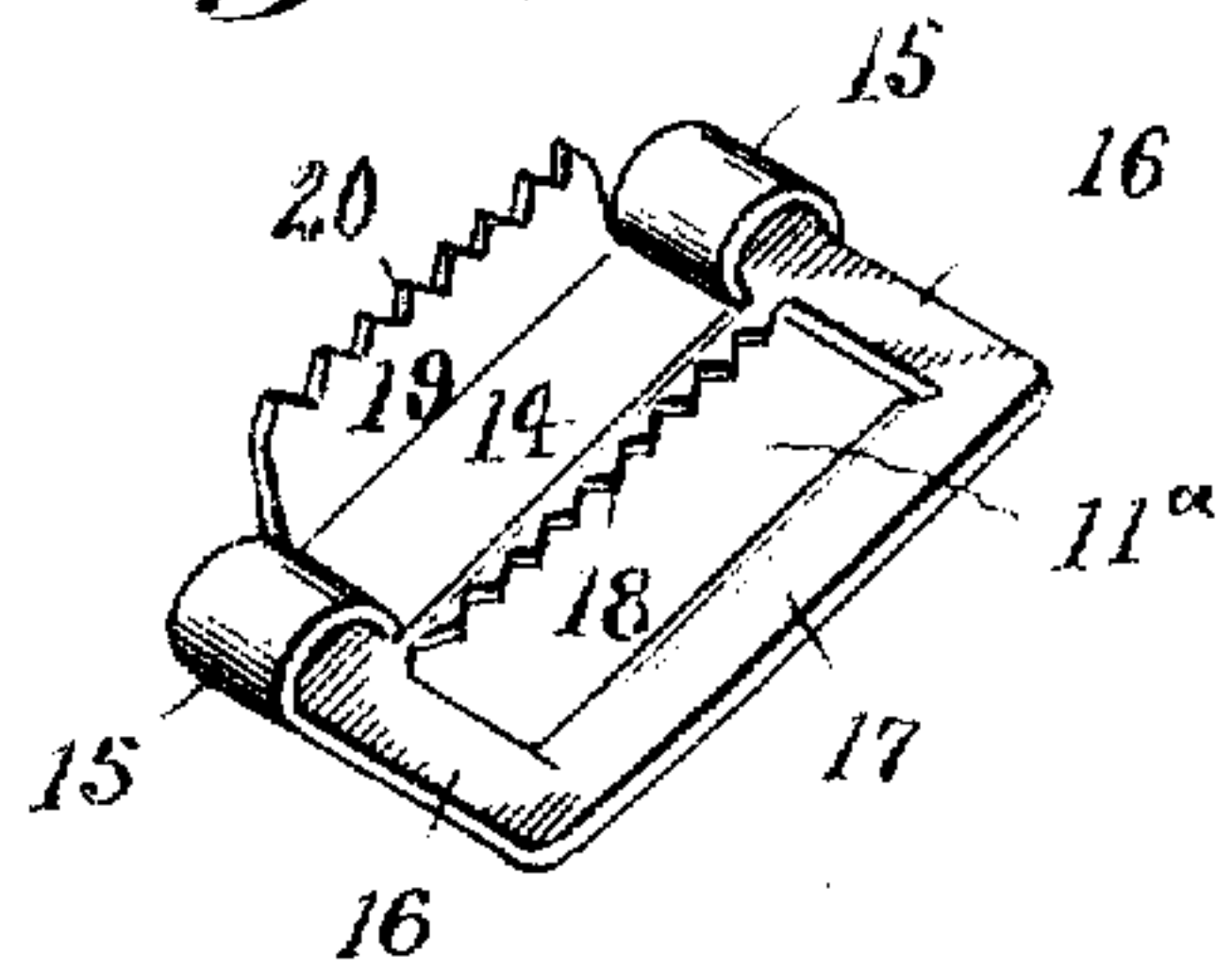


Fig. 3.

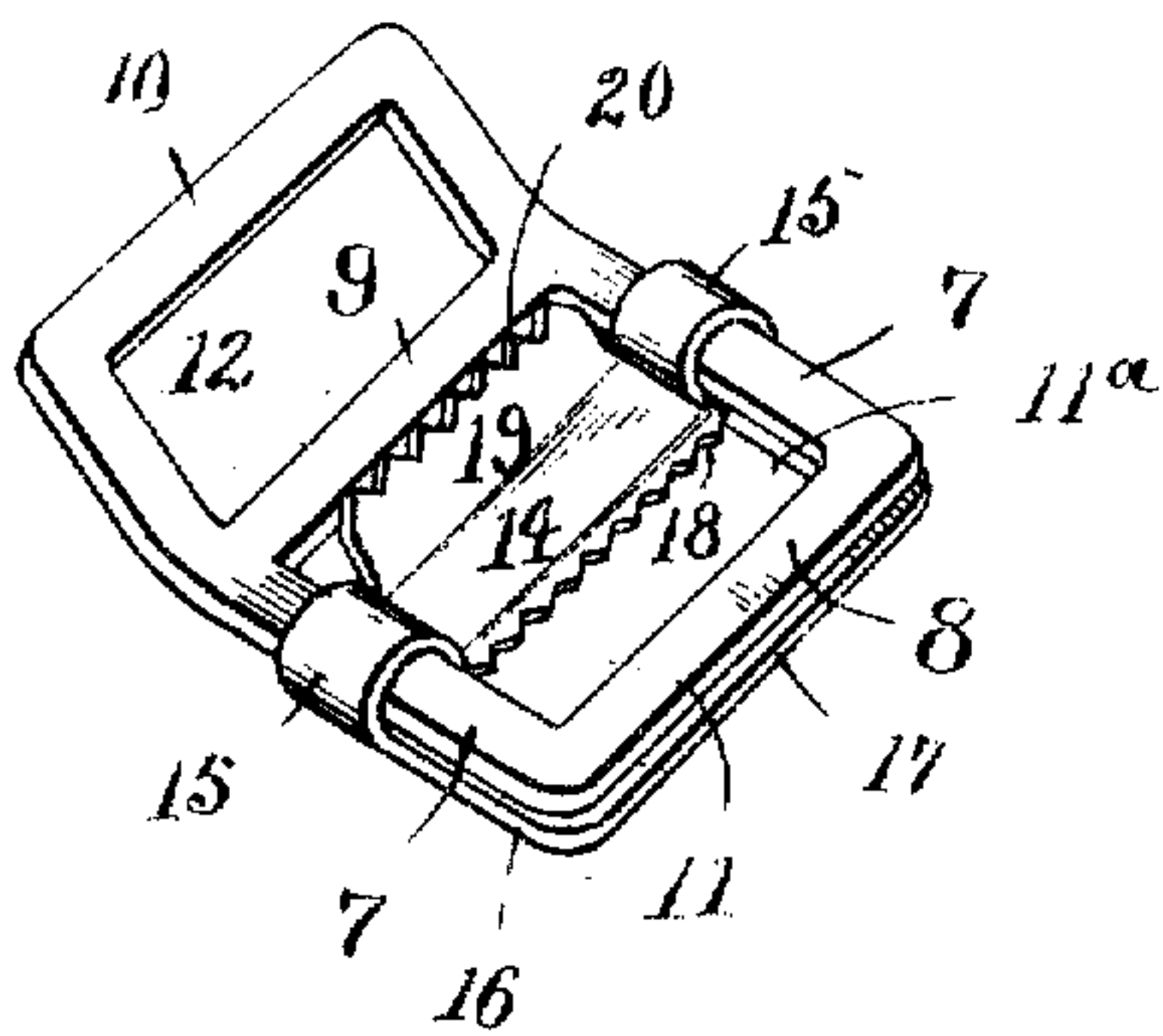
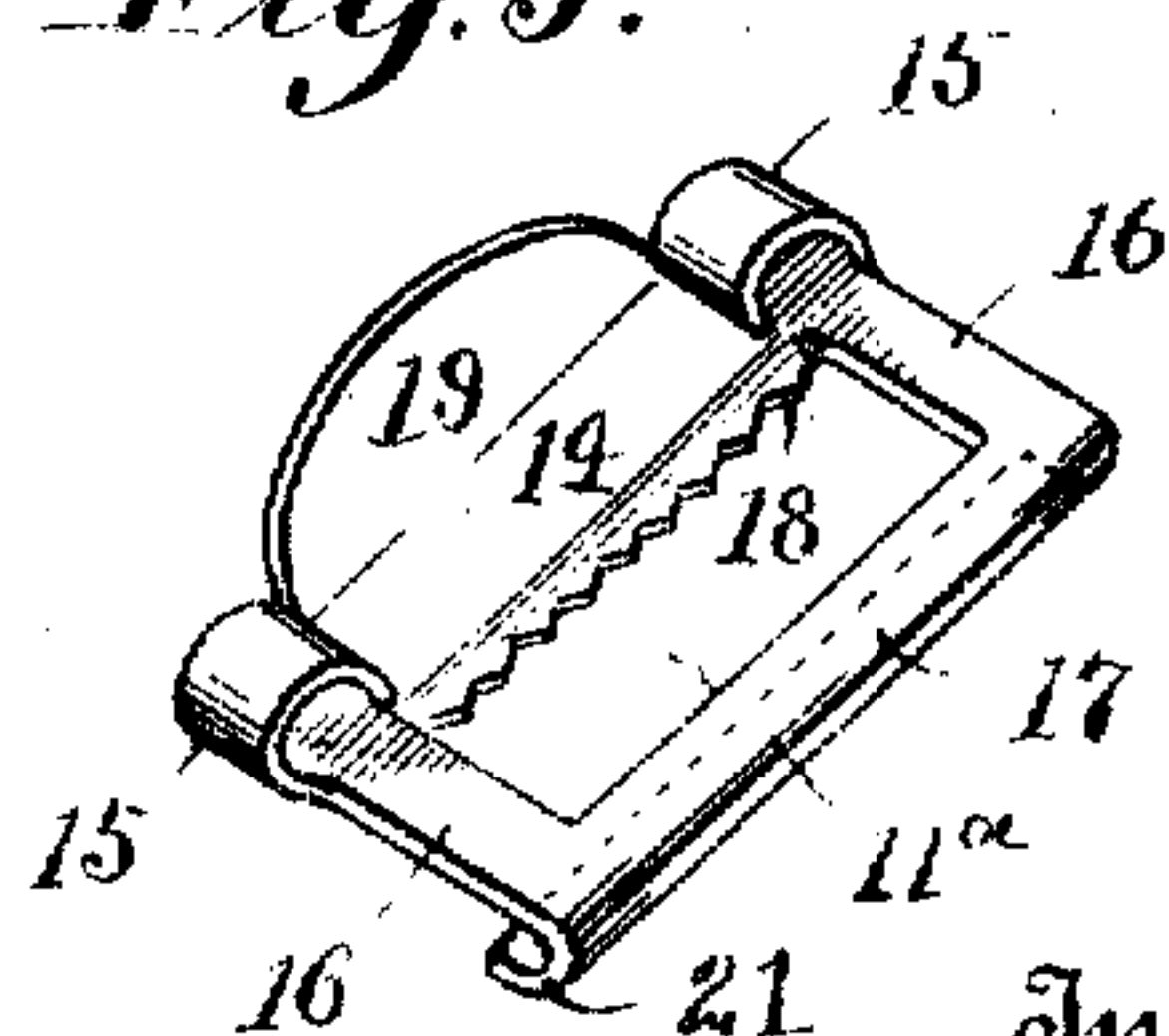


Fig. 5.



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# UNITED STATES PATENT OFFICE.

DARRAGH DE LANCEY, OF WATERBURY, CONNECTICUT, ASSIGNOR TO WATERBURY BUCKLE COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION OF CONNECTICUT.

## BUCKLE.

No. 908,582.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed February 13, 1908. Serial No. 415,671.

*To all whom it may concern:*

Be it known that I, DARRAGH DE LANCEY, a citizen of the United States, and resident of Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Buckles, of which the following is a specification.

This invention relates to an improved form of buckle, commonly known in the trade as a bag buckle, such as are usually employed upon bag straps, skate straps, and other places where a close adjustment and firm engagement of the strap is required.

It is the purpose of my invention to devise a buckle for the above purposes that can be used in a variety of places with satisfactory results and constructed so as to quickly take hold of a strap the instant it is released, after being threaded through the buckle and tightened; to provide positive means for the engagement of the strap, whereby its engaging portion is sure to take hold, and finally to include means for the manual operation of the slide to disengage the same from the strap when it is desired to disconnect the same.

With the above and other minor objects in view I have devised the simple construction shown upon the accompanying sheet of drawings, forming a part of this specification, upon which similar characters of reference denote like or corresponding parts throughout the several figures and of which,

Figure 1, shows a side elevation of my buckle as applied in use, a connected strap being indicated in dotted lines. Fig. 2, is a plan view of the buckle shown in Fig. 1. Fig. 3, is a disconnected perspective view of the same. Fig. 4, is a perspective view of the slide detached. Fig. 5, is a modified form of slide, and Fig. 6, is a central vertical longitudinal sectional view through the buckle.

The buckle is formed of two parts of metal, the frame of which is composed of side portions 7—7 and cross bars 8, 9 and 10 forming front and rear openings 11 and 12 through and out of which the strap 13 is threaded. The butt end of the strap is secured to the intermediate cross bar 9 in substantially the manner indicated in Fig. 1, and the rear portion including the cross bar 10 is disposed upward as shown so as to permit the opening 12 to be used as a loop under and out through which the free end of the strap may be disposed, after being threaded up through the forward loops of the buckle and engaged.

The slide 14 is provided with extensions 15 which are curled around the side portions 7 of the frame to form a sliding engagement of the slide with the frame, and further comprises a forwardly extended portion including side bars 16 and a cross bar 17 so connected and arranged as to form a loop 11<sup>a</sup> of a size and shape adapted to register with a portion of the opening 11, and through which the strap is first passed when threaded from the underside of the buckle. The inner edge of the cross bar 17 may be deflected downward to insure a more positive engagement thereof with the strap, and in the edge on opposite side of loop are formed teeth 18 that are deflected upward to engage the inner edge of the upper cross bar 8 of frame, when the slide is shoved forward, and not connected with the strap.

The rear side of the slide is provided with an arm that is disposed upward in line with the normal position of the connected strap when threaded through the loops before mentioned. A series of teeth 20 may be formed in the top edge of this upwardly disposed arm 19 as shown in the drawing, to better engage the strap and insure the closing of the slide and likewise to form engaging means for its manual operation, though in practice a plain edge like that shown in Fig. 5, is perfectly practicable. In Fig. 5, I have also shown a downwardly deflected end 21 which serves as a further means for the manual operation of the slide, and thus forms an external thumb latch which is not liable to release the strap by accidental pressure.

The operation of the buckle is as follows:— Assuming the butt end of the strap to be connected to the cross bar 9 of the frame and the body portion of the strap carried around a trunk, package or other object and the free end of the strap threaded up through the loops 11 and 11<sup>a</sup>, it would next be drawn up tight and pressed down upon the top edge of the arm 19. By reason of the engagement of the strap with the said top edge of the arm a release of draft upon the free end of strap would cause it to relax and draw the slide forward in a way to cause the teeth 18 of the forward edge of the slide to engage the underside of the strap, and force it against the edge of the cross bar 8, and further deflect it against the inner edge of the cross bar 17. The tension of the strap when in engagement with the said edge also further serves to draw



the slide forward and to retain it against the strap in a way to prevent its releasement until unthreaded from the loop, and the arm 19 or end 21 of slide manually engaged and slid  
5 back to free the strap.

Having thus described my invention what I claim and desire to secure by Letters Patent is:--

1. A buckle, comprising a frame having  
10 side bars and cross bars, a slide connected to the side bars and having a loop of a size and shape substantially like that of the forward opening through the frame and a strap engaging edge, and an arm disposed upward  
15 from the rear side of the slide for the engagement of the strap and the manual operation of the slide.

2. A buckle, comprising a frame having side bars and cross bars and a loop in the rear  
20 portion of the frame, a slide connected to the frame and having an edge to engage the strap, and an arm disposed upward and having a series of teeth to engage the underside of the strap when threaded through the loop  
25 to insure the engagement of the edge with the strap when the latter is under strain.

3. A buckle, comprising a frame having side bars and cross bars, one of which is in a plane above the others to form a raised loop  
10 at the rear end of the buckle, a slide connected to the opposite side edges of the frame, and having a toothed engaging edge

along the forward side and an arm deflected upward from the rear side and having a series of teeth for the engagement of the strap  
35 to secure the same when under strain.

4. A buckle, comprising a frame having side bars and cross bars, a slide connected to the side bars and having a loop of a size and shape substantially like that of the forward  
40 opening through the buckle frame, the inner edge of the forward transverse portion of the loop being disposed downward and the opposite edge of the loop being serrated and disposed upward and an arm disposed upward  
45 from the rear side of the slide for its manual operation and the engagement of the strap.

5. A buckle, comprising a frame having side bars and cross bars, a slide connected to the side bars and having a loop of a size and  
50 shape substantially like that of the forward opening through the frame, a strap engaging edge, an arm disposed upward from the rear side of the slide for the engagement of the strap and a downwardly deflected portion  
55 along the forward edge of said slide for the manual operation of the same.

Signed at Waterbury, in the county of New Haven, and State of Connecticut, this fifth day of February A. D., 1908.

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Witnesses:

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