

No. 629,054.

Patented July 18, 1899.

H. WAGNER, JR. & J. H. DAILEY.

BUCKLE.

(Application filed Apr. 4, 1898.)

(No Model.)

Fig. 1.

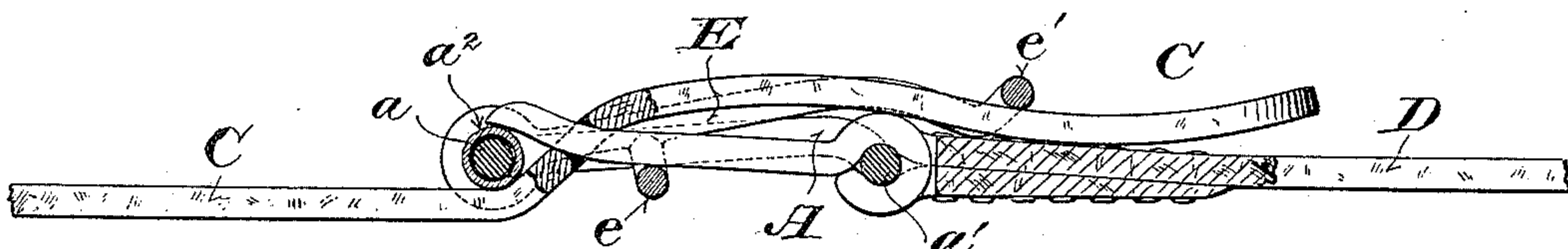


Fig. 2.

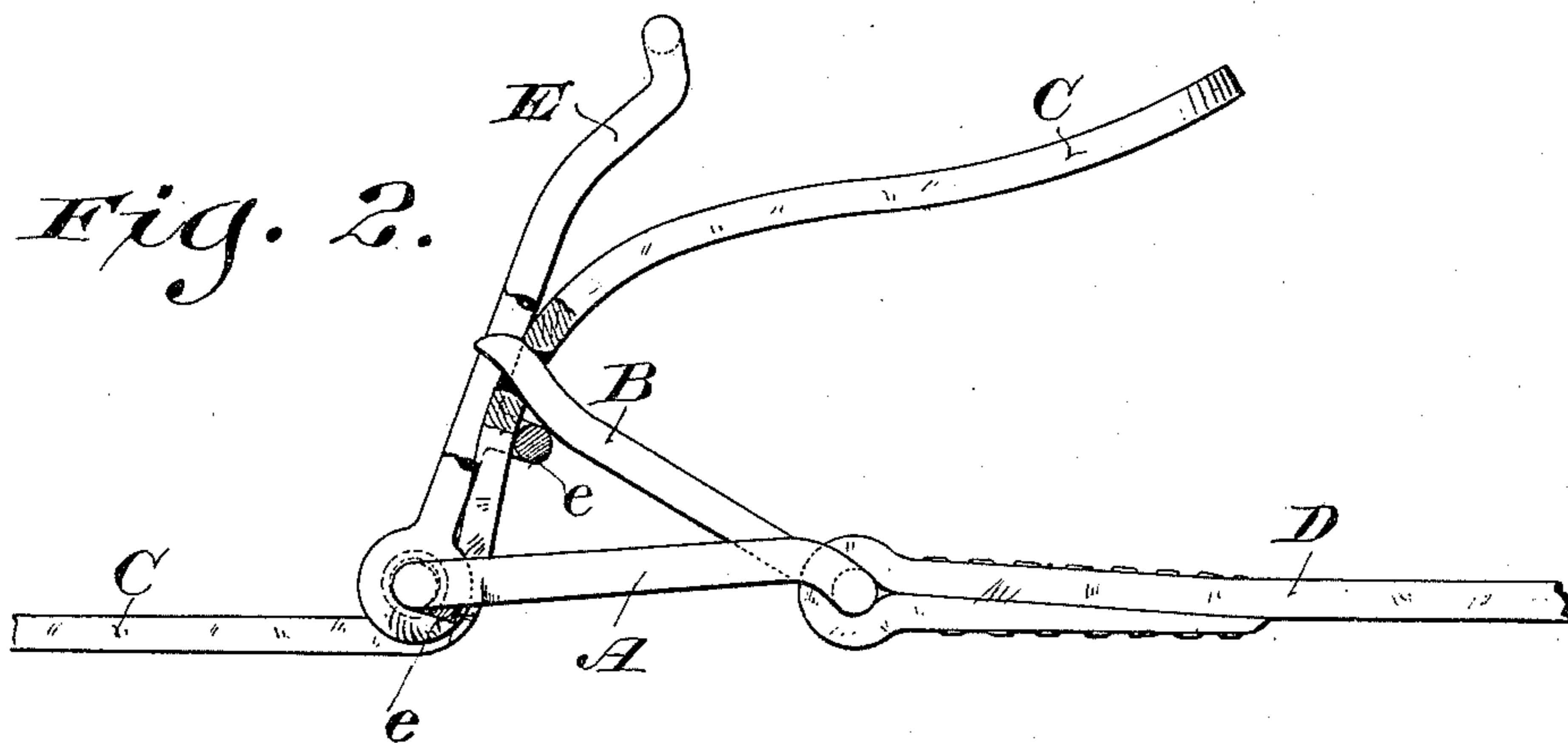
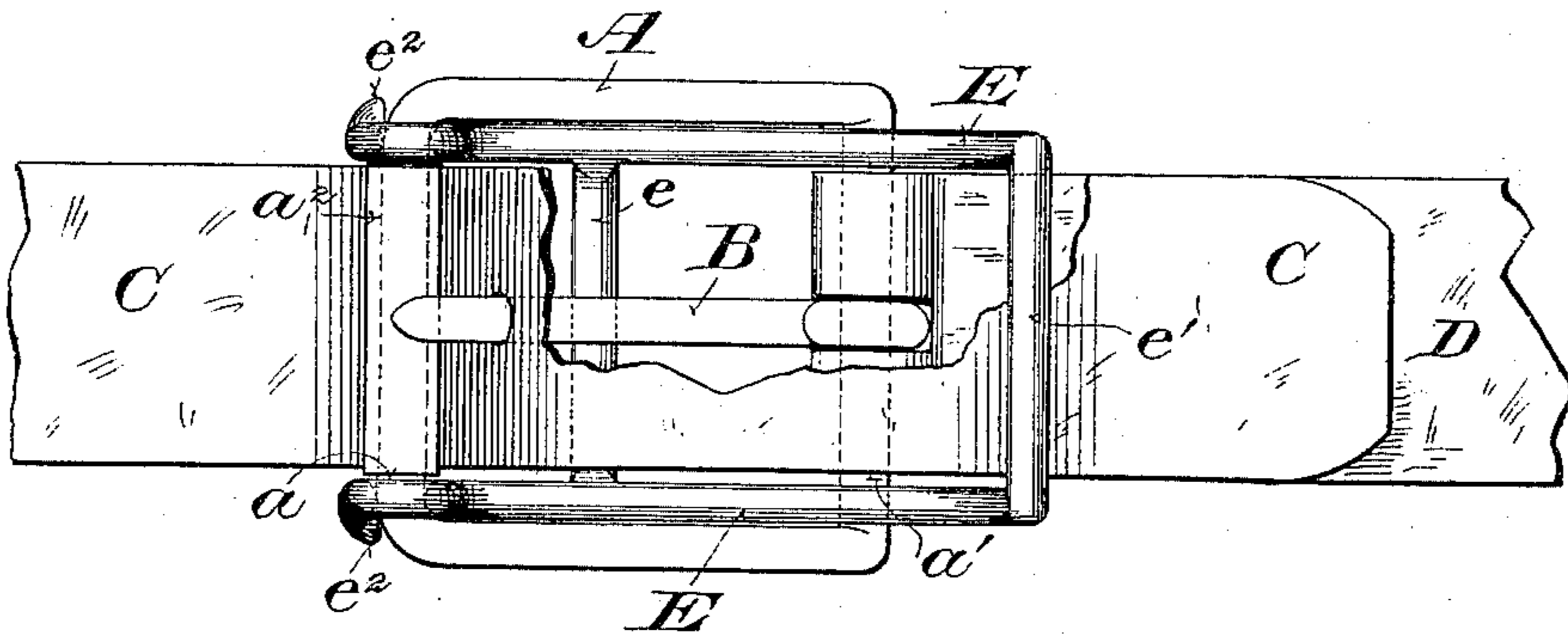


Fig. 3.



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UNITED STATES PATENT OFFICE.

HUBERT WAGNER, JR., AND JAMES H. DAILEY, OF BURLINGTON,
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BUCKLE.

SPECIFICATION forming part of Letters Patent No. 629,054, dated July 18, 1899.

Application filed April 4, 1898. Serial No. 676,277. (No model.)

To all whom it may concern:

Be it known that we, HUBERT WAGNER, Jr., and JAMES H. DAILEY, citizens of the United States, residing at Burlington, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Buckles, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The main objects of our invention are to facilitate the release of a buckle or the detachment of a strap or band from the tongue of the buckle and generally to improve the construction and operation of buckles for various uses.

It consists, essentially, of a cast-off connected with the buckle in such a way as to afford means of forcing a strap or band held by the buckle out of engagement with the tongue; also, of certain novel features of construction, as hereinafter particularly described, and pointed out in the claims.

In the accompanying drawings like letters designate the same parts in the several figures.

Figure 1 is a longitudinal section of a buckle embodying our improvements, showing the parts in normal or closed position. Fig. 2 is a side elevation illustrating the manner of manipulating the cast-off to disengage a strap or band from the buckle-tongue, and Fig. 3 is a plan view of the buckle.

The buckle to which our improvements are applied consists, as usual, of a quadrangular frame A, having cross-bars *a* and *a'* at the ends, and of a tongue B, pivoted to the center of the cross-bar *a'*. For convenience of description we will designate the bar *a* the "front" cross-bar and the bar *a'* the "rear" cross-bar. The cross-bar *a* may be provided when desired with a loose sleeve or roller *a²*.

C and D designate the ends of the same or different straps or bands which are to be fastened together by the buckle, the strap or band D being permanently attached to the rear cross-bar *a'* of the buckle-frame in the usual manner. To facilitate the detachment of the strap or band C from the tongue B, the buckle is provided with what may be designated a "cast-off," which may be conveniently made in the form of a U-shaped lever E, pivoted at its ends to the front cross-bar *a* of

the buckle-frame and having a cross-bar *e*, which passes below the buckle-tongue B. This lever preferably corresponds in width with the opening between the sides of the buckle-frame, but is made somewhat longer and is bent upwardly or outwardly at its end opposite the cross-bar *a*, so as to serve as a tuck-loop for the strap C and to facilitate grasping its end cross-bar *e'* for operating the cast-off.

Our improved buckle will be found particularly convenient in connection with saddlegirths, hame, and collar straps and skatestraps or for use as a fastening for any purpose under conditions where the strap or band engaged by the buckle-tongue is to be drawn taut and the buckle is held snugly against the body or object to which it is applied, such as the body of a horse, the surface of a horse-collar, or the like. Under such conditions it is oftentimes very difficult, if not impossible, especially in cold weather when the hands are cold and numb and the strap or band fastened by the buckle is stiff, to disengage it from the buckle-tongue. This is easily and quickly effected under any and all conditions with our improved buckle by turning the cast-off E outward from the buckle-frame, as shown in Fig. 2, the cross-bar *e* passing under the tongue and strap C, forcing them outward and carrying the strap over the end of and disengaging it from the tongue. To prevent the cross-bar *e* of the cast-off from passing by and out of engagement with the end of the buckle-tongue B, the cast-off E is formed with projections *e²* which, by engagement with the buckle-frame limit the outward movement of the cast-off at the proper point for releasing the strap from the tongue.

Various changes may be made within the intended scope of our invention in the construction of the buckle to adapt it to the various uses to which it is applicable.

We claim—

1. In a buckle comprising a frame, and a tongue pivoted on the rear cross-bar of the frame, a cast-off pivoted to the front cross-bar of the frame and serving as a lever to pry a strap or band out of engagement with the tongue, substantially as and for the purposes set forth.

2. In a buckle the combination with the frame and tongue, of a cast-off consisting of a lever pivoted to the front cross-bar of the frame and having a part adapted to extend
5 under the end of a strap engaged by the tongue, substantially as and for the purposes set forth.

3. In a buckle the combination with the frame and tongue, of a cast-off consisting of
10 a lever pivoted to the front cross-piece of the frame and having a cross-piece projecting under the tongue, and a stop for limiting the movement of the cast-off away from the buckle-frame, substantially as and for the
15 purposes set forth.

4. In a buckle the combination with the frame and tongue, of a cast-off consisting of a U-shaped lever pivoted at its ends to the front cross-bar of the frame next to its side
20 bars and having a cross-bar passing under

the tongue, the free end of the cast-off forming a tuck-loop, substantially as and for the purposes set forth.

5. In a buckle the combination with the frame and tongue, of a cast-off consisting of
25 a U-shaped lever pivoted at its ends to the front cross-bar of the frame next to its sides and having a cross-bar passing under the tongue, the cast-off having adjacent to its connection with the frame projections which
30 serve as a stop to limit the movement of the cast-off away from the frame, substantially as and for the purposes set forth.

In witness whereof we hereto affix our signatures in presence of two witnesses.

HUBERT WAGNER, JR.
JAMES H. DAILEY.

Witnesses:

LOUIS H. ROHR,
GEORGE W. WALLER.