C. B. DAVENPORT.

BUCKLE.

APPLICATION FILED AUG. 27, 1908.

928,944. **Patented July 27, 1909.**

Fig. 1.

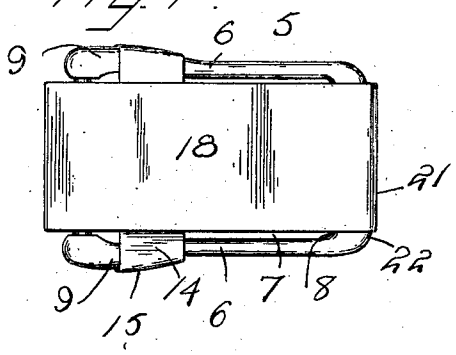


Fig. 2.

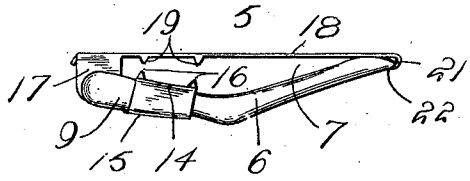


Fig. 3.

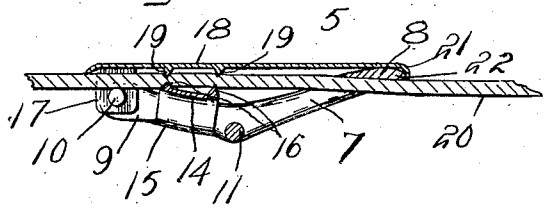
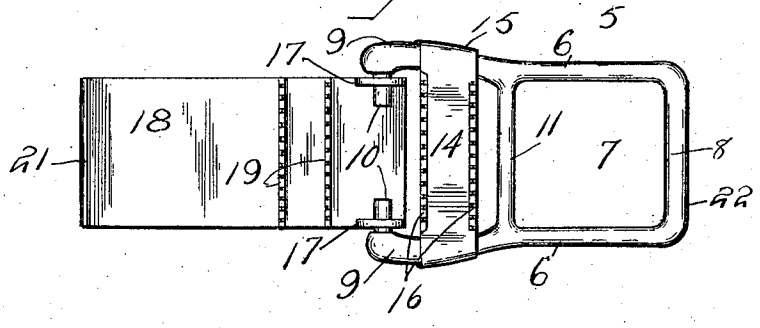


Fig. 4.



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UNITED STATES PATENT OFFICE.

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BUCKLE.

No. 928,944. Specification of Letters Patent. Patented July 27, 1909.

Application filed August 27, 1908. Serial No. 450,492.

To all whom it may concern:

Be it known that I, CARL B. DAVENPORT, a citizen of the United States, residing at Fort Lupton, in the county of Weld, State of Colorado, have invented certain new and useful Improvements in Buckles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to buckles and more particularly to the class of harness buckles.

The invention primarily is to provide a buckle which is novel in construction, simple, efficient and which may be readily manipulated to accommodate straps of different thickness in the actual use thereof.

Another object of the invention is the provision of a buckle having novel means for adjustably clamping straps of varying thickness and devoid of holes which necessarily weaken the same.

With these and other objects in view the invention for example consists in the construction, combination and arrangement of parts as will be hereinafter more fully described and as illustrated in the accompanying drawings which disclose the preferred form of embodiment of the invention. However, it is to be understood that changes, variations and modifications may be resorted to such as come properly within the scope of the claim hereunto appended without departing from the spirit of the invention.

In the drawings:—Figure 1 is a top plan view of the buckle in accordance with my invention. Fig. 2 is a side view thereof. Fig. 3 is a longitudinal sectional view showing a strap in clamped position in the buckle. Fig. 4 is a view of the buckle in an open position.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings, the numeral 5 designates generally the buckle forming the subject matter of the invention and comprises a frame 6 having at one end a loop 7 closed by a cross bar 8 and the opposite end terminating in spaced parallel arms 9 provided with right angularly arranged lugs 10 inwardly directed toward each other. Said frame is slightly bowed to accommodate the connection of the end of a strap not shown with the cross bar 11 of said frame. Extending transversely of the frame 6 is a plate 14 the opposite extremities bent on themselves and curled as at 15 about the arms 9 whereby the plate is rigidly connected to the said frame and which plate 14 is provided at opposite longitudinal edges with projecting teeth 16.

Hingedly connected to the frame 6 by perforated ears 17 engaging the lug 10 is a clamping plate or member 18 provided on its inner face with transversely disposed projecting teeth 19 in opposition to the teeth 16 of the plate 14 fixed to the arms of the frame. Passing through the looped end 7 is a strap 20 the same engaged by the teeth on the plate 14 and clamping plate 18 when the latter has been brought to a closed position to securely lock said strap in the buckle. The clamping plate is held closed by a yieldable frictional engaging flange 21 at the end thereof which flange locks with the outer edge 22 of the loop end 7 of the frame. It is obvious that the strap 20 cannot slip in the buckle when the clamping plate 18 has been closed and locked to the frame.

To release the strap 20 from the buckle it is only necessary to disengage the flange 21 from the outer edge 22 of the loop end 7 of the frame to bring the said clamping plate to an open position whereby the teeth formed thereon and the teeth of the plate 14 will be disengaged from the strap 20 to liberate the same from the buckle.

What is claimed is—

A buckle of the class described comprising a frame forming a loop at one end and spaced parallel arms at the opposite end, a plate fixed to said arms and having oppositely disposed projecting teeth longitudinally thereof, a clamping plate hingedly connected to said arms and having teeth opposing the teeth of the first mentioned plate, and a frictional engaging flange at the free end of said clamping plate to lock the same in a closed position on the frame.

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

CARL B. DAVENPORT.

Witnesses:

J. F. JACKSON,

J. P. HAYDEN.