

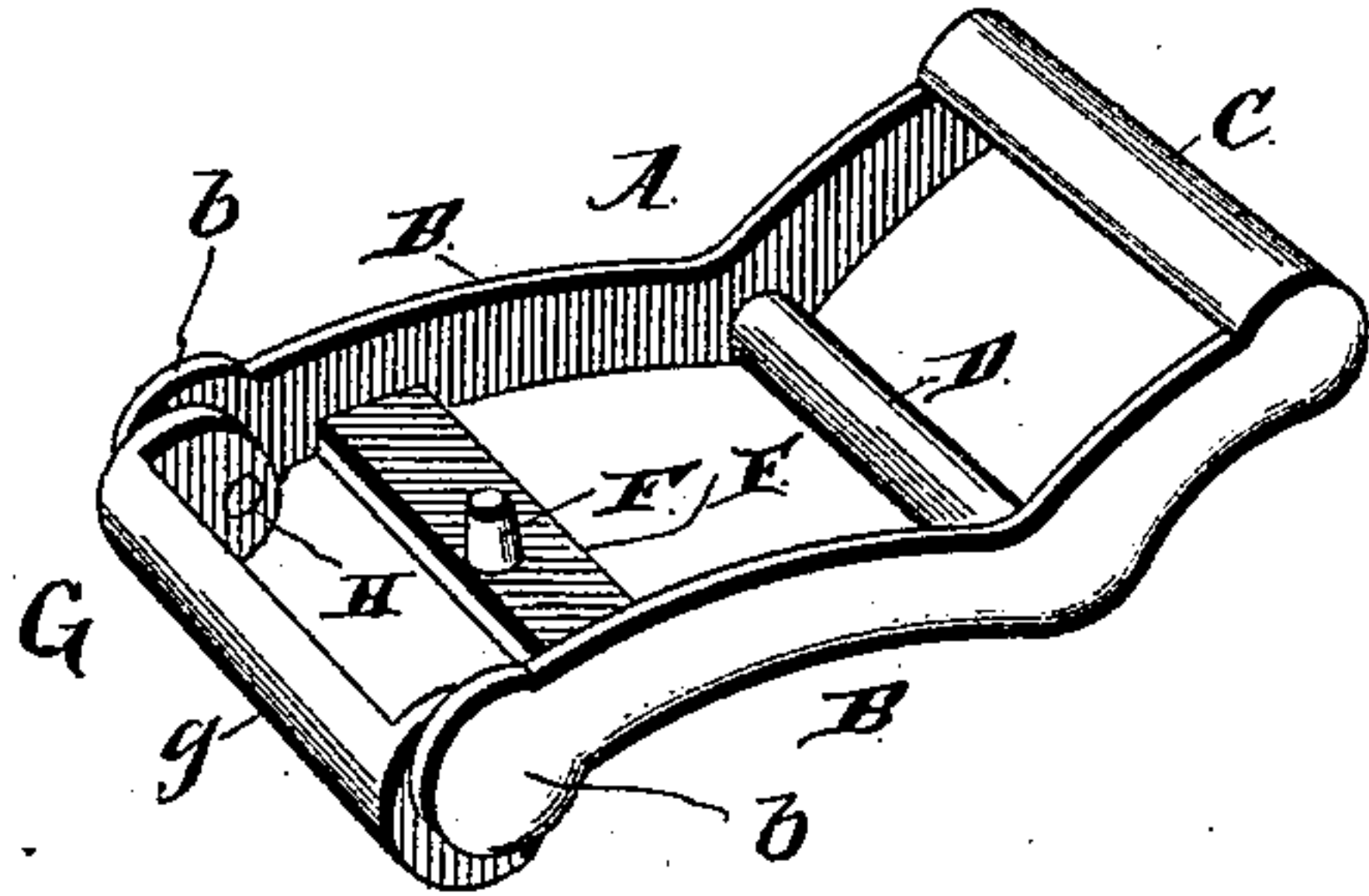
(No Model.)

D. B. BAKER  
BUCKLE.

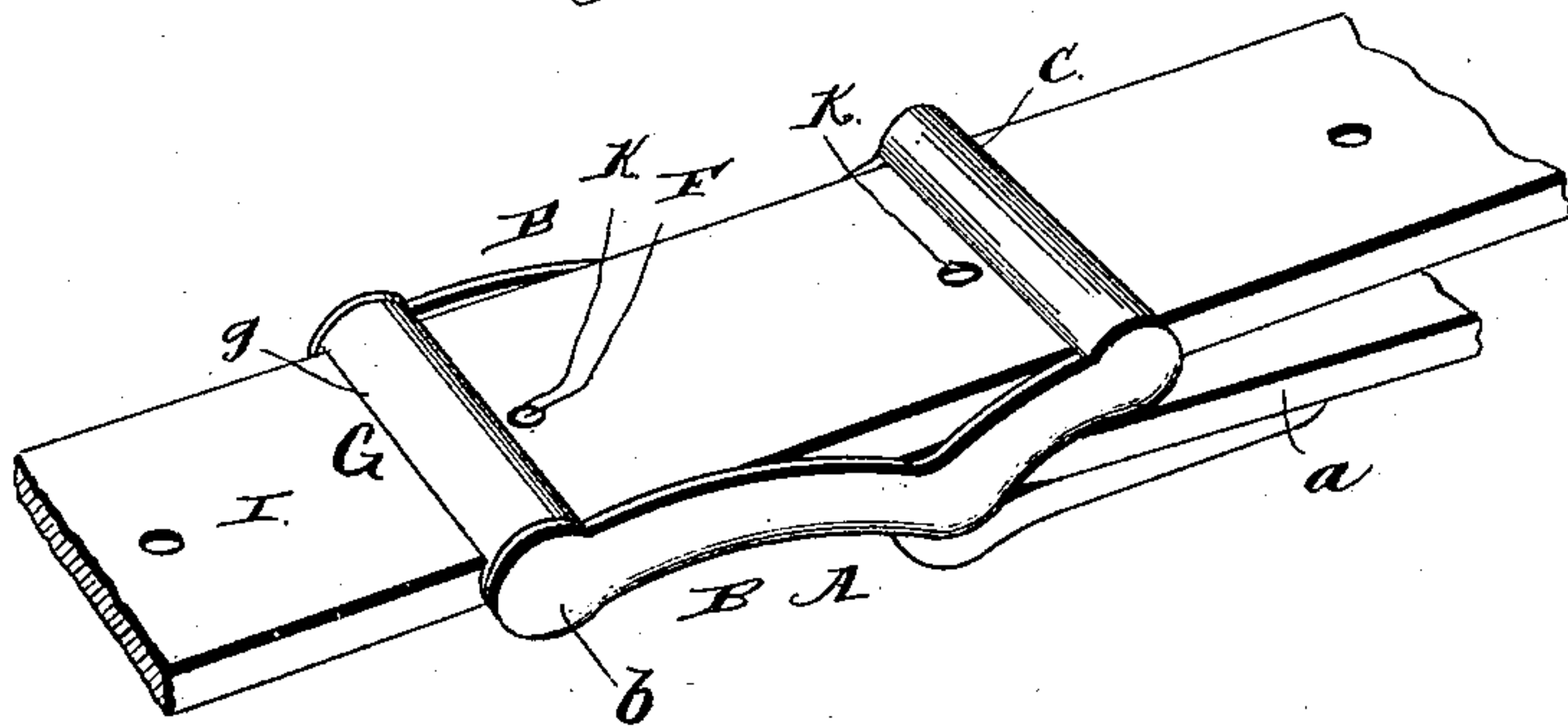
No. 400,891.

Patented Apr. 9, 1889.

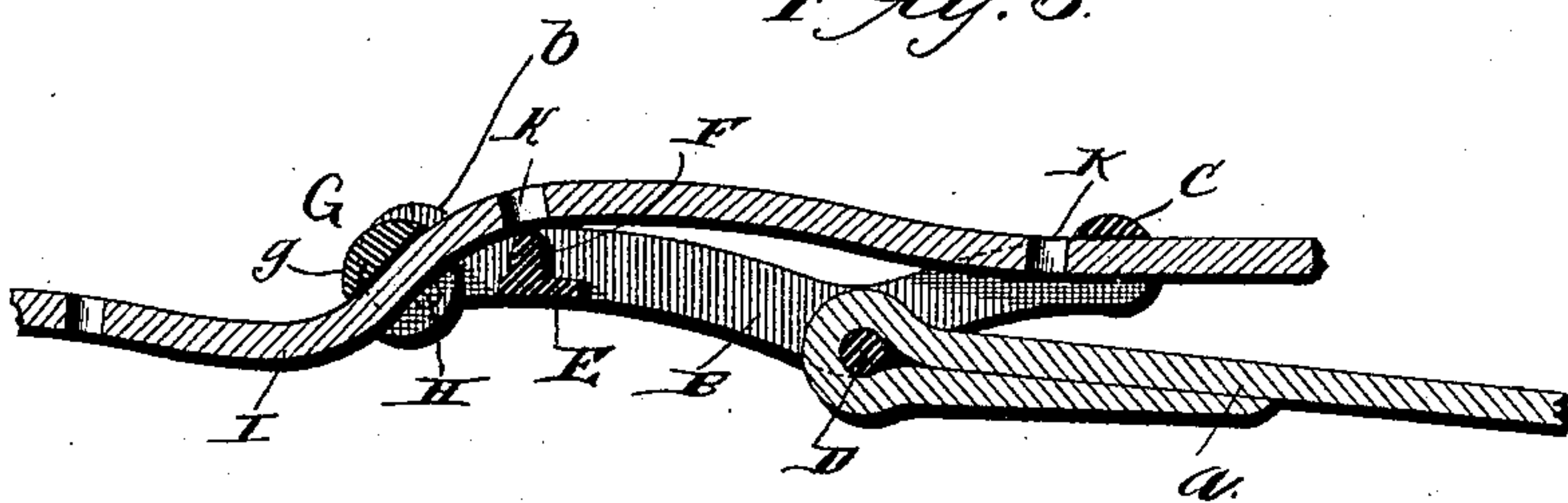
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses,

*Geo. H. Hoyle*  
*J. C. Doyle*

Inventor,

*D. B. Baker*

By *his* Attorneys

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# UNITED STATES PATENT OFFICE.

DANIEL B. BAKER, OF RISING SUN, OHIO.

## BUCKLE.

**SPECIFICATION** forming part of Letters Patent No. 400,891, dated April 9, 1889.

Application filed July 18, 1888. Serial No. 280,261. (No model.)

*To all whom it may concern:*

Be it known that I, DANIEL B. BAKER, a citizen of the United States, residing at Rising Sun, in the county of Wood and State of Ohio, have invented a new and useful Improvement in Buckles, of which the following is a specification.

The object of my invention is to provide a simple, cheap, durable, and easily-operated buckle for use in connection with reins, hip-straps, and other parts of harness, which will not be subject to the objections offered against the old-style buckle of catching or interfering with other parts of the harness or the fly-net, or catching the tail of the horse.

With these objects in view the invention consists in a certain novel construction and combination of devices, fully set forth hereinafter in connection with the accompanying drawings, and specifically pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of the buckle detached from the strap. Fig. 2 is a similar view applied in the operative position to a strap. Fig. 3 is a longitudinal central sectional view of the same, showing the strap in the act of being moved in the buckle to alter its adjustment.

Referring by letter to the drawings, A designates the frame of the buckle, which consists of the parallel side bars, B B, connected at their rear ends by the flat bar C, and at intermediate points by the cross-bar D, to which is attached the end of a strap, *a*. The sides of the buckle-frame are also connected near their front ends by the end bar, E, which is provided at its central point with the vertical tongue or stud F.

G represents a swinging keeper arranged between the front ends of the side bars, B B, and it is provided at its ends with the ears H H, which are pivoted to the inner sides of the said side bars.

The strap I passes through the frame of the buckle, under the swinging keeper and the end bar C, and over the end bar E, and one of its perforations, K, engages the tongue or stud F, and is held thereon by the swinging keeper, the cross-bar *g* of which bears on the strap adjacent to the tongue or stud.

The ears H H on the swinging keeper are circular in shape, and the front ends of the

side bars, B B, are provided with rounded offsets *b b*, which conform exactly to the ears, and thus prevent the exposure of edges or angles which would be liable to catch other parts of the harness; also, the cross-bar *g* and the end bar C are rounded or convex on their upper sides for a similar reason. It will be seen that the side bars are inclined downward toward the cross-bar D, so as to bring the said bar below the plane of the end bar C and the keeper, whereby the strap I passes straight through the buckle, instead of being bent, as in the ordinary buckle.

The operation of the buckle is clearly shown in Fig. 3 of the drawings. To release the strap, press it through the buckle toward the swinging keeper, and it will cause the keeper to swing outward away from the tongue or stud, after which the strap will be raised from the latter. When the keeper is swung outward, as shown in Fig. 3, the strap may be slipped through the buckle freely until the desired position is reached, when it may be engaged with the tongue or stud.

The advantages of the buckle are as follows: The strap cannot become accidentally detached from the tongue or stud. When the swinging keeper is swung outward, the strap is freely movable through the buckle. The strap passes straight through the buckle, and the buckle is provided with no projections, extensions, or free ends to catch or become entangled with other parts of the harness, but is entirely smooth on top, as clearly shown in the drawings.

I claim—

1. A buckle provided with the swinging keeper G, arranged transversely across one end of the buckle, for the purpose specified.

2. In a buckle, the combination, with the stationary tongue or stud, of the swinging keeper G, arranged transversely across one end of the buckle in advance of the stationary stud, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

DANIEL B. BAKER.

Witnesses:

MYER COHEN,  
E. G. SIGGERS.