

J. BURGESS.

BUCKLE.

No. 348,186.

Patented Aug. 31, 1886.

FIG. 1.

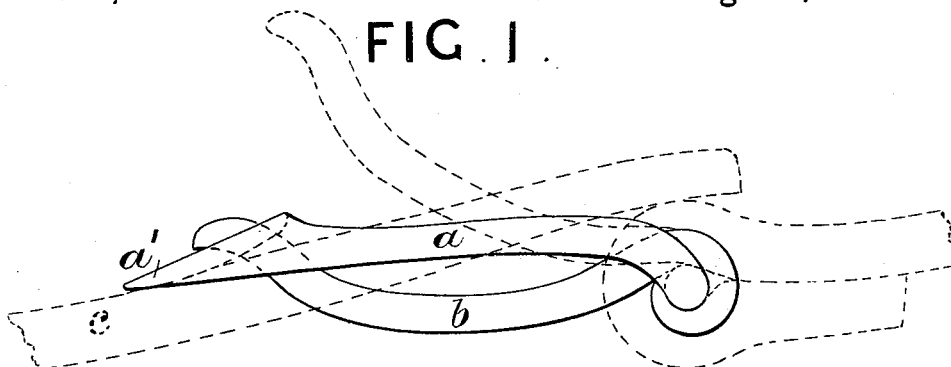


FIG. 2.

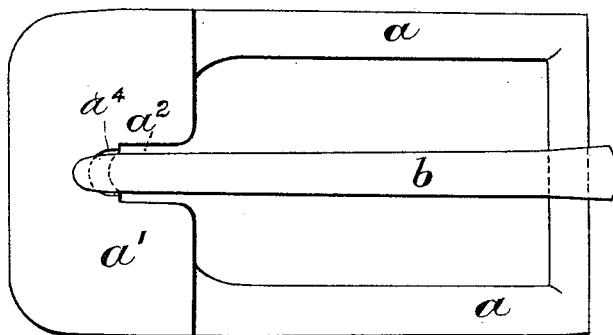
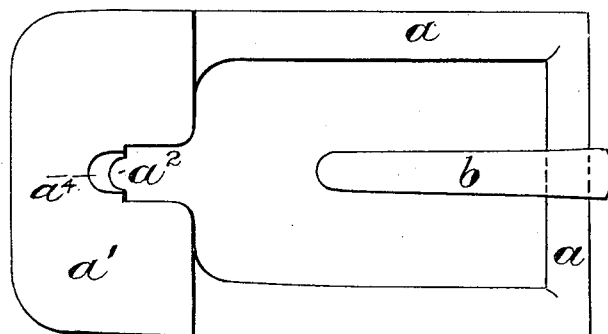


FIG. 3.



Witnesses:
W. R. Hight
J. M. nohas

Inventor:
John Burgess.
by W. H. Babcock
Attorney

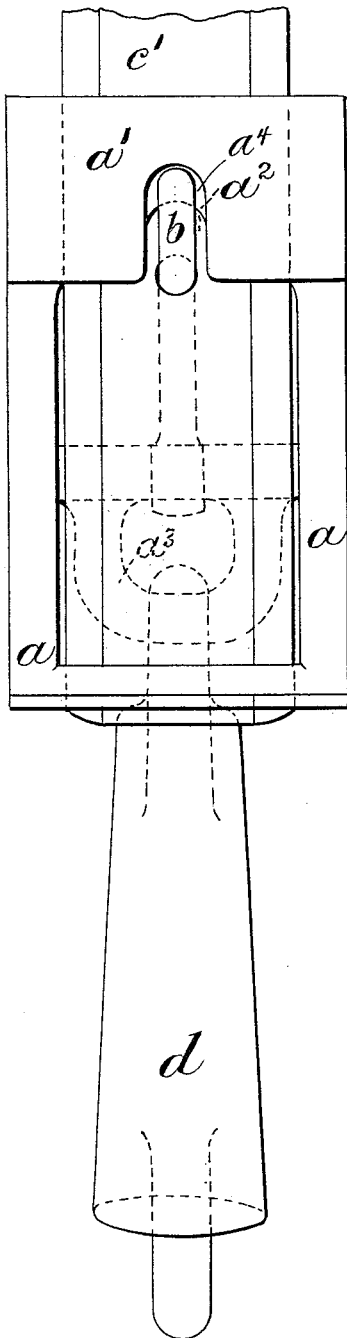
J. BURGESS.

BUCKLE.

No. 348,186.

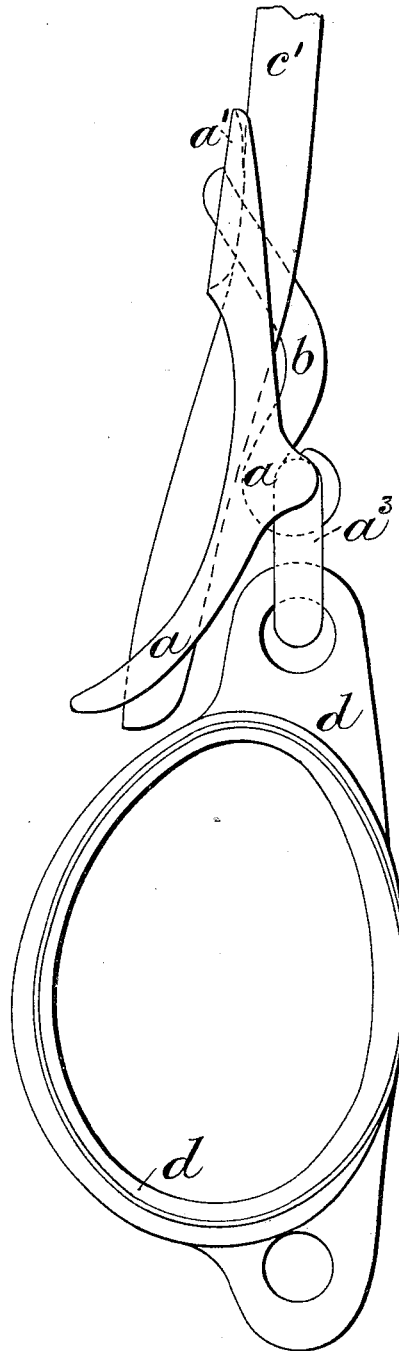
Patented Aug. 31, 1886.

FIG. 4.



Witnesses:
W. R. Haight
J. H. Maynores

FIG. 5.



Inventor:
John Burgess
by W. H. Babcock
Attorney

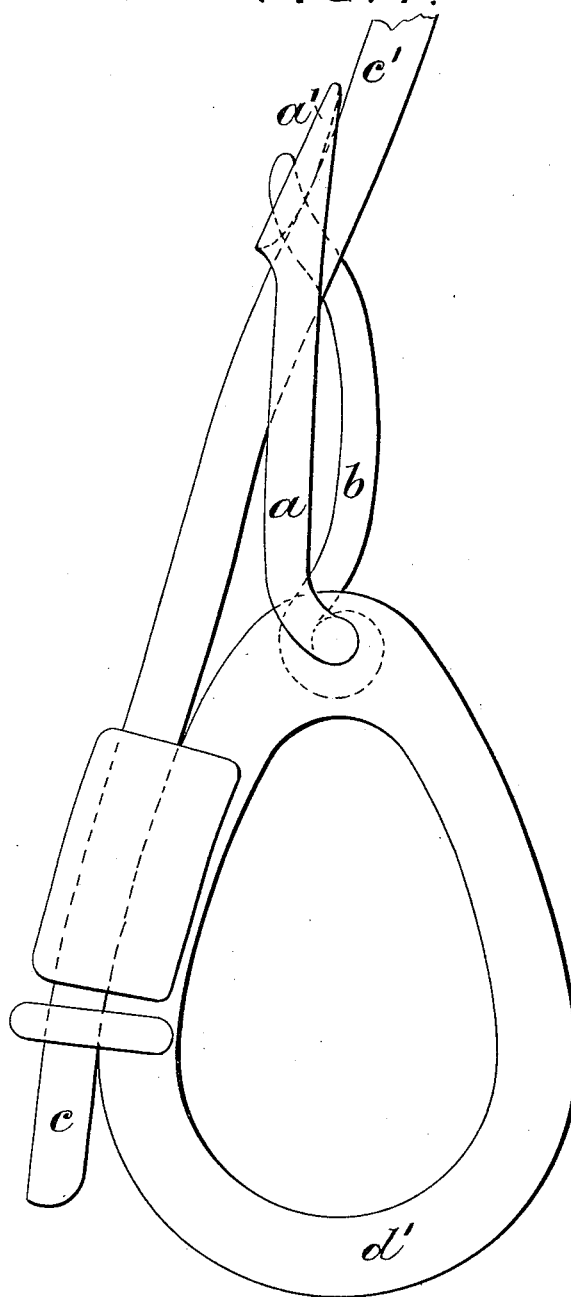
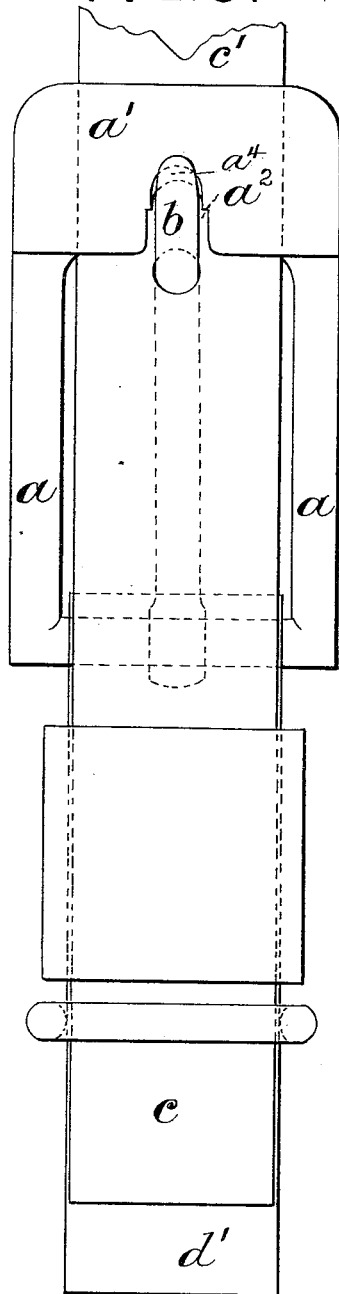
BUCKLE.

No. 348,186.

Patented Aug. 31, 1886.

FIG. 6.

FIG. 7.



Witnesses:
W. R. Knight
J. W. Hughes

Inventor:
John Burgess
by W. H. Babcock
Attorney

UNITED STATES PATENT OFFICE.

JOHN BURGESS, OF MANCHESTER, COUNTY OF LANCASTER, ENGLAND.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 348,186, dated August 31, 1886.

Application filed April 15, 1886. Serial No. 198,884. (No model.)

To all whom it may concern:

Be it known that I, JOHN BURGESS, a subject of the Queen of Great Britain, residing at Manchester, in the county of Lancaster, England, have invented a certain new and useful Improvement in Buckles, of which the following is a specification.

My invention relates to improvements in buckles, particularly applicable to buckles for the "back-bands" of harness; and the object of my invention is to prevent excessive wear and tear on back-bands or on other leather straps, ordinarily caused by the cross-bar or top part of the buckle-frame bearing upon and unduly bending the back-band or strap, which thus receives excessive pressure and strain at the point where it is already weakened by being pierced for the tongue. I attain this object by constructing my improved buckle with the top part of the frame, on which the point of the tongue rests, of a broad piece or cross-plate of metal formed with a slot to receive the tip or front part of the tongue, which may be straight, but is, by preference, bent in a peculiar manner; and in order that my invention may be fully understood and readily carried into effect, I will describe the accompanying three sheets of drawings, in which—

Figure 1 is a side view of my improved buckle connected to a strap. Fig. 2 is a plan of the same with the tongue shown resting on the cross-plate and the strap removed, and Fig. 3 a plan with the tongue raised. Fig. 4 is a front view, and Fig. 5 a side view, of my improved buckle as applied to a back-band, and a metal "tug" or hoop through which the shaft of the vehicle is passed; and Figs. 6 and 7 are similar views to Figs. 4 and 5, showing my improved buckle as applied to an ordinary leather tug.

In these views, *a* is the frame of the buckle; *a'*, the broad metal piece or cross-plate which I employ, according to this invention, instead of an ordinary cross-bar.

a² is a slot, a portion of its length being cut entirely through the cross-plate *a'*, and is provided at its forward portion with a recess, *a¹*, having inwardly-sloping walls, which slot *a²*, with its recess *a¹*, is formed to receive the point or tip of the tongue *b*. The tongue *b*,

near the tip, is preferably bent in a peculiar manner, as best shown by the dotted lines, Fig. 1; also clearly shown in each of the other side views, Figs. 5 and 7.

It is obvious that a straight tongue might be used in place of the bent tongue *b*; but I prefer to use the latter.

Fig. 1 shows an ordinary strap, *c*, threaded on the tongue *b*. Figs. 4 and 5 show a back-band, *c'*, threaded on the tongue *b*, the buckle being connected by a loop, *a³*, preferably formed with the frame *a*, to the metal shaft-tug *d*. Figs. 6 and 7 show the back-band *c'* and a leather shaft-tug, *d'*, which is suspended from the bottom bar of the buckle-frame *a* in the ordinary manner.

It will be observed that the back or under surface of the cross-plate *a'*, which rests on the leather, is slightly curved, (see side views, Figs. 1, 5, and 7,) so that the strap *c* or back-band *c'* lies in the buckle in a straight line, or nearly so, and thus sharp bends of the leather are avoided, and much greater durability is secured.

It is obvious that in place of one tongue *b* and one slot *a²* for each buckle, two or more tongues, in combination with a corresponding number of slots in the cross-plate *a'*, may be employed.

I declare that what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a buckle, the combination of the frame *a*, the cross-plate *a'*, slot *a²*, having at its forward portion a recess, *a¹*, and tongue *b*, all substantially as herein shown and described, for the purposes specified.

2. A buckle provided with a broad flat cross-plate having a slot cut through its inner part, in combination with a tongue which extends into said slot and fits against the end thereof, substantially as shown.

The foregoing specification of my improvement in buckles signed by me this 24th day of March, 1886.

JOHN BURGESS.

Witnesses:

H. B. BARLOW,

S. WALKEY GILLET,

Both of 17 St. Ann's Square, Manchester.