

W. S. Hall,

Buckle,

N<sup>o</sup> 49,261.

Patented Aug. 8, 1865.

Fig 3.

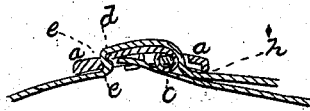


Fig 2.

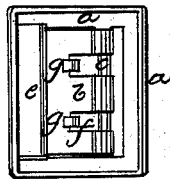
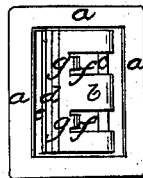


Fig 1.



Witnesses;

R. Gould

Inventor;

Wm. Smith Hall

by his Atty

J. B. Bushy

# UNITED STATES PATENT OFFICE.

WM. SMITH HALL, OF QUINCY, MASSACHUSETTS.

## IMPROVED BUCKLE.

Specification forming part of Letters Patent No. 49,261, dated August 8, 1865.

*To all whom it may concern:*

Be it known that I, WILLIAM SMITH HALL, of Quincy, in the county of Norfolk and State of Massachusetts, have invented an Improved Clamp-Buckle; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

This invention relates to the construction of clamp-buckles; and it consists in a new arrangement or combination of parts by which a more effective self-tightening strap-buckle is obtained than by any of the various constructions now in use.

A buckle embodying the improvement is shown in the drawings, Figure 1 representing a plan of the buckle; Fig. 2, a reversed plan of it; Fig. 3, a section showing its application to a strap.

*a* denotes the frame of the buckle; *b*, the tongue or clamp which confines the strap. This tongue extends lengthwise across, or nearly across, the frame *a*, and is hinged to a joint-pin, *c*, as seen in the drawings, its front edge, *d*, resting upon a seat, *e*, which is below the plane of the outer surface of the frame *a*. The rear side of the tongue or clamp *b* is cut away, as seen at *f*, to form hooks *g*, as seen in Figs. 2 and 3. Holes are cut in one end of the strap, by which it is fastened to these hooks, as seen in Fig. 3.

The frame of the buckle is curved in the direction of the length of the strap, so that the

strain of the strap upon the hooks from the points where fastened to them to the edge *h* draws, or tends to draw, the front edge of the clamp or tongue *b* down upon its seat *e*, thus pinching the strap tightly between said tongue and its seat, as will be readily understood.

The manner of constructing or applying the seat *e* below the upper surface of the buckle-frame, and so that the edge of the tongue projects over it, gives to the strap in the part passed between the seat and buckle-edge a tortuous course, as seen in Fig. 3, so that a greater length of surface of the strap is impinged upon, and the strap is not only pinched between the edge of the tongue and the seat *e*, but also between the said edge and the wall *i*.

A space is left between the rear of the tongue and the contiguous edge of the frame *a* for passage of the strap, and for fastening or clamping the end thereof down to the buckle, as seen in Fig. 3. This construction makes a very simple and effective buckle, and one having quite an ornamental appearance when worn.

I claim—

The improved clamp-buckle as made with a tongue, having hooks so applied that the strain of the strap upon them clamps the edge of the tongue down upon the strap, substantially as set forth.

In witness whereof I have hereunto set my hand this 18th day of May, A. D. 1865.

WILLIAM SMITH HALL.

Witnesses:

F. GOULD,  
W. B. GLEASON.