

F. J. DEISZ.

COMBINED SNAP-HOOK AND BUCKLE.

No. 191,842.

Patented June 12, 1877.

Fig. 1.

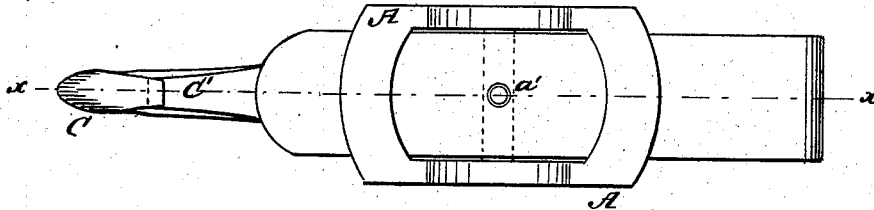


Fig. 2.

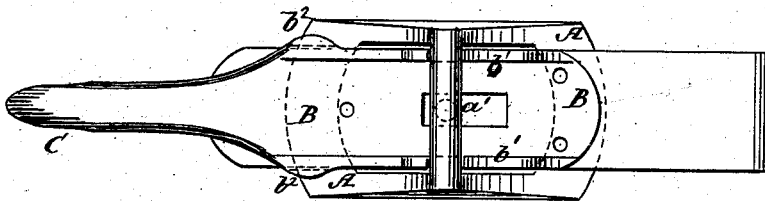
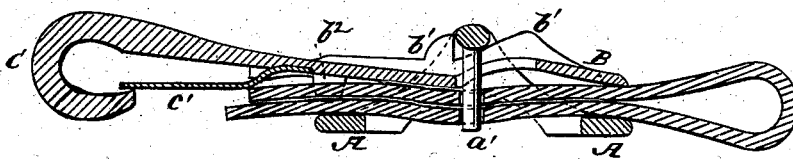


Fig. 3.



WITNESSES:

E. Wolff.
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INVENTOR:

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UNITED STATES PATENT OFFICE.

FRANCIS J. DEISZ, OF PIERCE CITY, MISSOURI.

IMPROVEMENT IN COMBINED SNAP-HOOK AND BUCKLE.

Specification forming part of Letters Patent No. **191,842**, dated June 12, 1877; application filed April 30, 1877.

To all whom it may concern:

Be it known that I, FRANCIS JOSEPH DEISZ, of Pierce City, in the county of Lawrence and State of Missouri, have invented a new and useful Improvement in Combined Snap-Hook and Buckle, of which the following is a specification:

Figure 1 is a front view of my improved snap-hook and buckle. Fig. 2 is a rear view of the same. Fig. 3 is a longitudinal section of the same taken through the line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish a combined snap-hook and buckle for connecting the ends of the breast-strap with the hame-ring, which shall be so constructed as to clamp the strap, and thus take the strain off the tongue of the buckle, and which shall be simple in construction and convenient and reliable in use.

The invention consists in the combination of the frame, made with arched side bars, and having a rigid tongue attached to the central cross-bar, the plate slotted to receive the tongue, and having inclined flanges formed upon its side edges, and the snap-hook formed upon the forward end of the said plate, as hereinafter fully described.

A is the main frame of the buckle, the end bars of which are slightly curved, and its side bars are arched and are connected at their middle points by the central cross-bar, so as to form a space for the passage of the straps between the central and end cross-bars of the frame A.

To the center of the center cross-bar of the frame A is attached a rigid tongue, *a'*, which passes through the straps and is designed to keep them from getting out of place when not under tension.

B is a plate of such a width as to fit in between the arched side bars of the frame A, and in which is formed a short longitudinal slot for the passage of the tongue *a'*. The plate B is passed through the frame A, be-

tween the straps and the central bar of the said frame. The rear part of the plate B is slightly arched, and upon its side edges are formed rearwardly-projecting flanges *b¹*. The edges of the flanges *b¹* incline inward from points opposite the rear ends of the slot in the plate B to points opposite the forward end of said slot, where they terminate with a square shoulder. The edges *b¹* of the flanges rest against the central cross-bar of the frame A, the said cross-bar, when the strap is not under strain, being at the forward or lower end of the inclines.

With this construction, when the strap is put under tension the tendency is to draw the frame A and plate B apart, and the effect is to cause the central cross-bar of the frame A to slide up the inclines of the flanges *b¹*, which presses the plates B down upon the end cross-bars of the frame A, clamping the strap securely and holding it more firmly the greater the strain upon the straps may be.

Upon the side edges of the forward end of the plate B are formed lugs *b²*, to keep the ends of the straps in place and prevent them from pressing on the spring. Upon the forward end of the plate B is formed the hook C, and to it is attached the end of the spring or snap *e¹*, the other end of which rests against the point of the hook C.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the frame A, made with arched side bars and having a rigid tongue, *a'*, attached to its central cross-bar, the plate B, slotted to receive the tongue *a'*, and having inclined flanges formed upon its side edges, and the snap-hook *e¹* *e²* formed upon the forward end of the said plate B, substantially as herein shown and described.

FRANCIS JOSEPH DEISZ.

Witnesses:

WM. BUCHNER,
THOS. CARLIN.