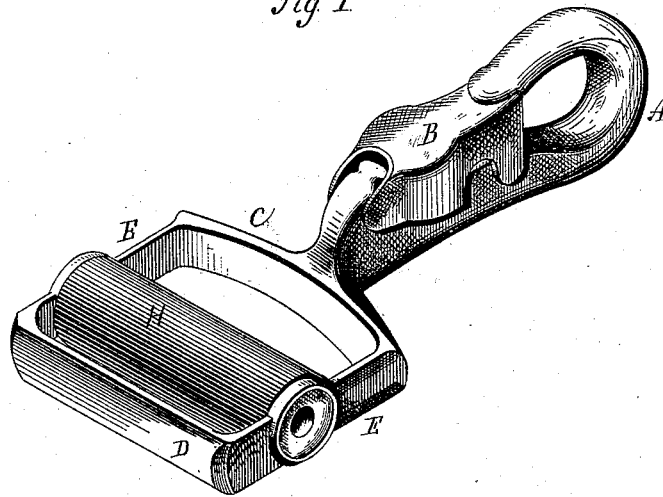


C. B. BRISTOL.  
Breast-Strap Hooks.

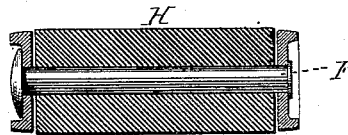
No. 218,923.

Patented Aug. 26, 1879.

*fig 1*



*fig 2*



Witness:  
J. H. Murray  
Jos. C. Earle

Chas. B. Bristol  
Inventor.  
By atty.  
J. H. Earle

# UNITED STATES PATENT OFFICE.

CHARLES B. BRISTOL, OF NEW HAVEN, CONNECTICUT.

## IMPROVEMENT IN BREAST-STRAP HOOKS.

Specification forming part of Letters Patent No. **218,923**, dated August 26, 1879; application filed May 26, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES B. BRISTOL, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Breast-Strap Hooks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, perspective view; Fig. 2, section through roll.

This invention relates to an improvement in devices for connecting the breast-strap to the pole, its object being principally to avoid the use of the metal breast-strap slide commonly used; and the invention consists in the construction hereinafter described, and particularly recited in the claim.

A represents a hook provided with a spring-tongue, B, substantially as in snap-hooks. On the shank of the hook an open frame or loop is formed, consisting of the two ends C D and two sides, E E. Across this loop, from side to side, is a spindle, F, on which is placed a wood roll, H, loose, and so as to revolve freely.

The breast-strap is passed between the roll H and the end C, and so that the hook may be engaged with the pole and the strap take its bearing on the roll H, and, because of the anti-frictional character of the roll, no slide is required on the strap.

The end D holds firmly the two sides of the loop, and serves as a safety-guard, for should the strain upon the roll be so great as to break it, the end D would catch the strap.

The particular kind of snap-hook to be employed is immaterial, it only being essential that it shall be a snap-hook, and made substantially a part of the frame C D E, and that the roll H shall be within the frame between the two ends. This device makes a much stronger and more convenient arrangement than the usual slide and ring, as well as more desirable.

I do not broadly claim a snap-hook connection between the breast-strap and pole, as such I know to be common. Neither do I broadly claim the combination of an anti-friction roll with a snap-hook, as this I know to be common; but

I do claim—

The herein-described breast-strap hook as constructed, with the end C and sides E E of the strap-frame, said sides connected by the end D, and combined with the anti-friction roll H, arranged relative to said end D, as described, and so that said end D forms a guard for the strap, all substantially as specified.

CHAS. B. BRISTOL.

Witnesses:

JOHN E. EARLE,  
JOS. C. EARLE.