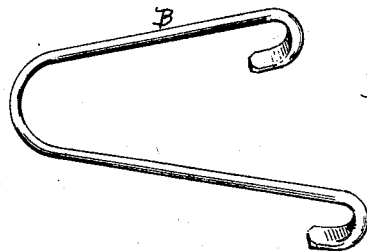


*S. S. Bolton,*

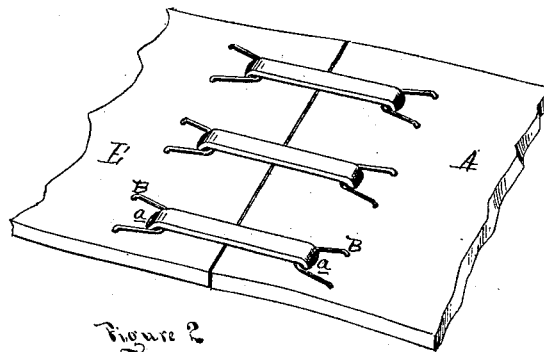
*Belt Fastener.*

*No. 109798.*

*Patented Dec. 6. 1870.*



*Figure 1*



*Figure 2*

ATTEST

*W. Stewart*  
*George Broad*

INVENTOR

*S. S. Bolton*  
*per Atty*  
*Thos. S. Sprague*

# UNITED STATES PATENT OFFICE.

SAMUEL S. BOLTON, OF BIG RAPIDS, MICHIGAN.

## IMPROVEMENT IN BELT-FASTENERS.

Specification forming part of Letters Patent No. **109,798**, dated December 6, 1870.

*To all whom it may concern:*

Be it known that I, SAMUEL S. BOLTON, of Big Rapids, in the county of Mecosta and State of Michigan, have invented a new and useful Improvement in a Belt-Stay; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of a belt-stay, and Fig. 2 is a plan showing its application to the belt.

Like letters indicate like parts in each figure.

This invention has for its object the construction and employment, in machine-belts, of metallic stays at the eyelets to relieve the latter of a part of the strain exerted upon them by the fastening, being more particularly designed for use in connection with the well-known belt-hooks and belt-studs.

The invention consists in a U-shaped piece of wire having a small hook turned at each end, and inserted through the belt in such a manner that the bight of the stay will surround the outer half of the eyelet with which the hook, stud, or other fastening engages in the usual manner, and also with the bight of the stay, thereby throwing the strain at two other points in the belt for each eyelet, and correspondingly

diminishing the liability of the fastenings to tear out.

In the drawings, A represents a section of a machine-belt at one of the joining ends, and *a* the eyelet or hole punched therein to receive one end of a hook or belt stud.

B is the stay, formed of a piece of wire bent to the shape shown, with a hook, *b*, turned down at each end and inserted through the belt from the top, so that the bight will surround the outer half of the circumference of the hole, when the belt hook or stud may be inserted and the ends of the belt joined together.

If preferred, the stays may be inserted in place and the holes punched afterward.

The advantages of the stays are obvious. New belts fitted with them are compelled to stretch evenly, their chances for tearing at the eyelets being correspondingly diminished. Old belts which would not hold the fastening as ordinarily applied are with it rendered capable of further service.

What I claim as my invention, and desire to secure by Letters Patent, is—

The belt-stay B, when constructed as herein described, for the purpose set forth.

SAMUEL S. BOLTON.

Witnesses:

J. J. THOMPSON,  
JAMES M. COLBY.