(No Model.)

W. SMITH.

BUCKLE ATTACHMENT FOR STRAPS.

No. 341,958. Patented May 18, 1886.

Fig. 1.

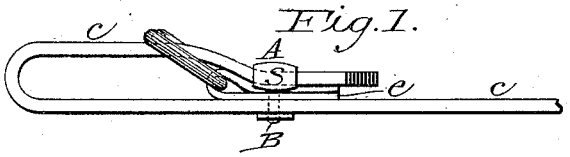

Fig. 2.

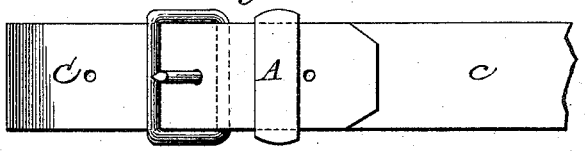

Fig. 3.

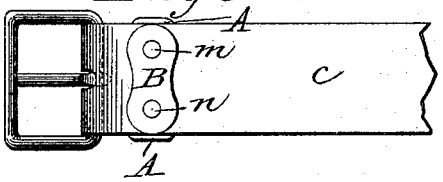

Fig. 4.

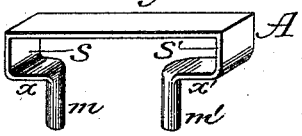

Fig. 5.

Witnesses:
F. S. Belcher
Francis A. Booker

Inventor:
William Smith
by Huggins & Smith
his Attys

UNITED STATES PATENT OFFICE.

WILLIAM SMITH, OF EATON RAPIDS, MICHIGAN.

BUCKLE ATTACHMENT FOR STRAPS.

SPECIFICATION forming part of Letters Patent No. 341,958, dated May 18, 1886.

Application filed January 18, 1886. Serial No. 189,003. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SMITH, a citizen of the United States, residing at the city of Eaton Rapids, in the county of Eaton and State of Michigan, have invented a new and useful Improvement in Rivet-Loops, of which the following is a specification.

My invention relates to improvements in rivet-loops for attaching straps in the manufacture of harness, in which the strap is secured by a metallic bar, forming a loop, and riveted over a double washer upon the inside; and the objects of my improvements are, first, to provide a secure and reliable fastening; second, to afford facilities in putting straps together; third, to furnish a loop through which the end of a strap can be easily placed, and which does not shrink by moisture or crack by exposure to the sun; fourth, to save stitching or sewing on loops for holding the end of straps running through buckles. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the loop holding the straps. Fig. 2 is a top view of the same; and Fig. 3 is an inside view of the fastener, also holding the strap. Fig. 4 is a view in perspective of the rivet-loop, and Fig. 5 is a similar view of the double washer.

Similar letters refer to similar parts throughout the several views.

The bar A and the double washer B form the entire device for fastening the strap which holds the buckle, and holding the end of the strap passing through the buckle, and are constructed of any good metallic substance. The bar A is flat upon the inside and oval upon the outside, with the exception of the two extremities, which are cylindrical from the shoulders $x\ x'$ to the ends, forming the posts $m\ m'$. From the top of the posts $m\ m'$ the bar A deflects outward. The perpendicular sides $s\ s'$ are sufficient distance apart for receiving the strap c, and the perpendicular sides $s\ s'$ are of any desirable height, also, for receiving the strap c. A differently-sized fastener will be used for a larger or smaller sized strap, and as several-sized straps, both in thickness and width, are used in constructing harness, the size of the fastener will also vary in the height of the perpendicular sides $s\ s'$ and their distance apart. I therefore do not confine myself to any particular size or length of the bar A or the washer B. The outside of the bar A being oval and tapering to the edges, the shoulders $x\ x'$ are readily indented into the leather strap c, which leaves the inside of the shoulders $x\ x'$ even with the surface of the strap c.

In using my rivet-loop I punch holes through the buckle-strap e and the harness-strap c, at a proper distance apart for admitting the posts $m\ m'$ of the bar A, after which the washer B is adjusted by passing the posts $m\ m'$ through the holes $a\ a'$. The washer B is then securely riveted down upon the posts $m\ m'$, and the harness-strap c and the buckle-strap thereby firmly held between the washer B and the shoulders $x\ x'$ of the bar A. I then place the harness-strap c back through the loop formed by the bar A. A loop is thus formed which is easily adjusted, always open for use, never shrunk by dampness or cracked by the sun, with no stitches to wear or tear out.

I am aware that various devices for fastening straps together by metallic bars, plates, and rivets have long been in use, and I do not herein claim such improvement, broadly.

What I claim herein, and desire to secure by Letters Patent, is—

A metallic rivet-loop having the circular posts $m\ m'$, the oval deflecting-shoulders $x\ x'$, and the perpendicular sides $s\ s'$, in combination with the double washer B, substantially as described, and for the purpose set forth.

WILLIAM SMITH.

Witnesses:

ALANSON OSBORN,

F. E. HAMLIN.