(No Model.)

E. L. HOWE.

MULTIPLE METAL LOOP FOR HARNESS.

No. 419,951. Patented Jan. 21, 1890.

Fig. 1

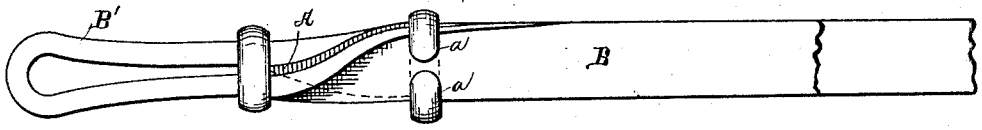


Fig. 2

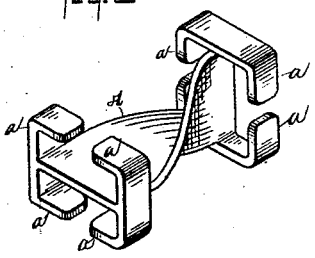
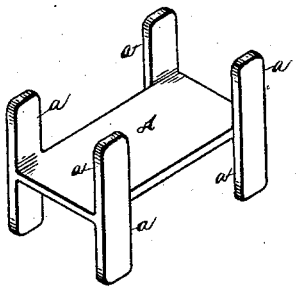


Fig. 3



Witnesses.
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UNITED STATES PATENT OFFICE.

EUGENE L. HOWE, OF CLEVELAND, OHIO, ASSIGNOR TO THE EBERHARD MANUFACTURING COMPANY, OF SAME PLACE.

MULTIPLE METAL LOOP FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 419,951, dated January 21, 1890.

Application filed June 27, 1889. Serial No. 315,719. (No model.)

To all whom it may concern:

Be it known that I, EUGENE L. HOWE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Multiple Metal Loop for Harness; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to an improved multiple metal loop for harness in which the different loops are integral with and connected by a thin web, the latter being adapted to be twisted a quarter-turn to bring the loops at the respective ends of the web in planes at right angles to each other, whereby a strap passed through these loops will be held in corresponding twisted position.

In the accompanying drawings, Figure 1 is a plan showing my improved loops applied to a checkrein. Fig. 2 is a view in perspective. Fig. 3 is an isometric view showing the casting before the loops are shaped.

The device is constructed, preferably, of malleable cast-iron, the casting comprising a thin web A and ears *a*, arranged in opposing pairs and projecting above and below the web, as shown in Fig. 3. Opposing ears are bent toward each other to form loops, as shown in Fig. 2, and, if desired, web A may be twisted a quarter-turn to bring the loops at the respective ends of the web in planes approximately at right angles to each other.

The device is particularly well adapted to a checkrein, the latter being passed through the loops on the one side of the web and being passed back through the loops on the other side of the web. (See Fig. 1.) The checkrein along the neck of the horse should lie flatwise, as shown at B, and the checkrein at loop B′, where it engages the water-hook, should stand upright or at right angles to section B and with the twisted web. The checkrein is thus given a quarter-twist and held in such position. If a horse is inclined to "throw" the checkrein, the device can be slipped along on the rein so close to the water-hook as to effectually prevent the rein from unhooking.

What I claim is—

A harness attachment consisting of a thin metal web having its ends located in planes at right angles to each other and loops located at the ends of and integral with said web, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 1st day of May, 1889.

EUGENE L. HOWE.

Witnesses:

WILLIAM H. HOUSMAN,

FRED SCHUCH.