

(No Model.)

W. W. BISHOP.

HARNESS LOOP.

No. 283,559.

Patented Aug. 21, 1883.

Fig. 1.

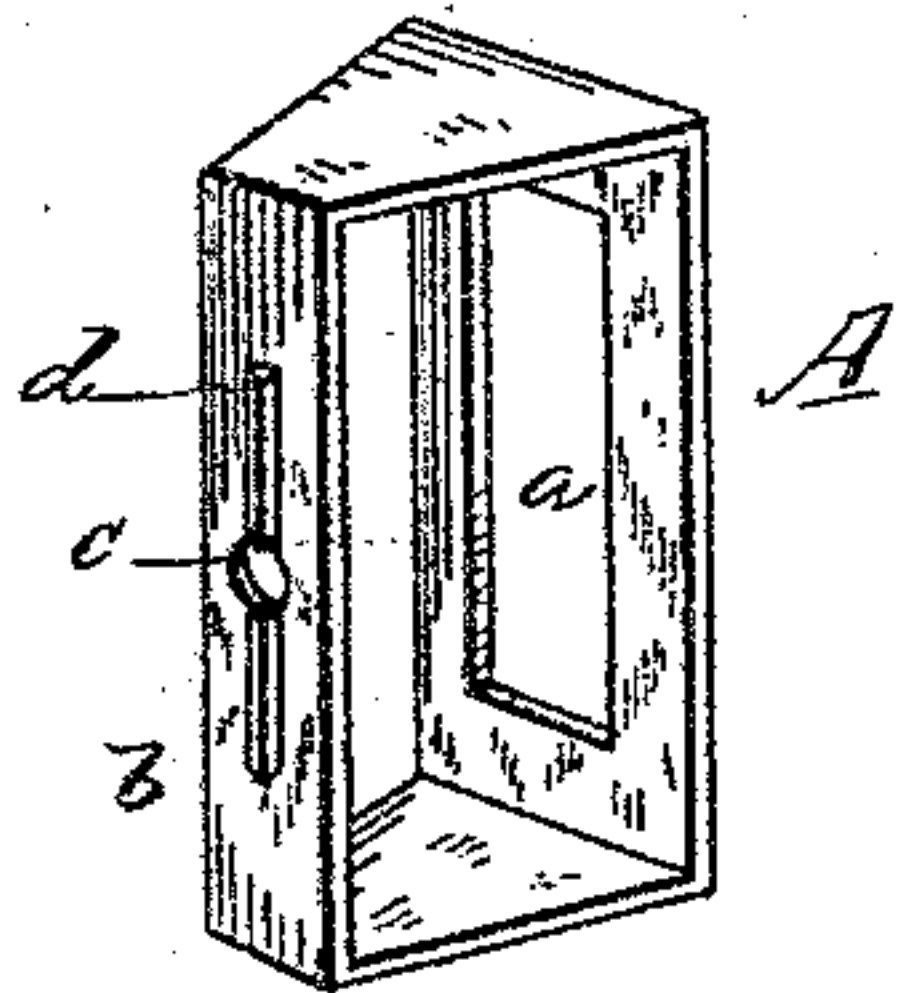


Fig. 2.

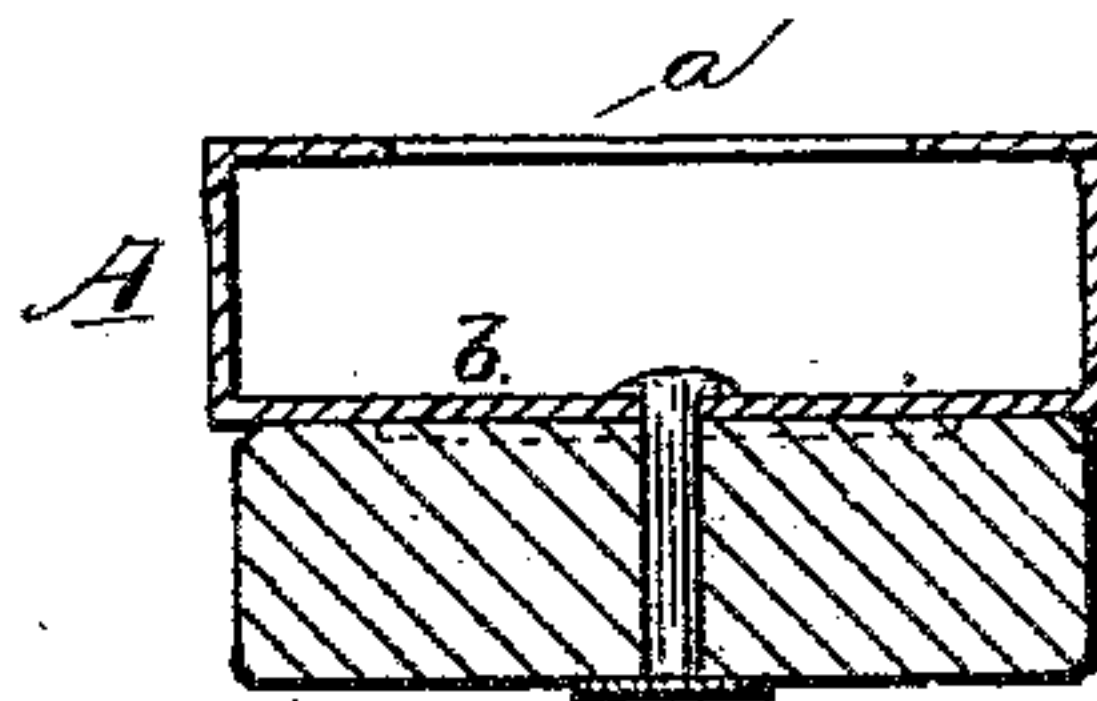
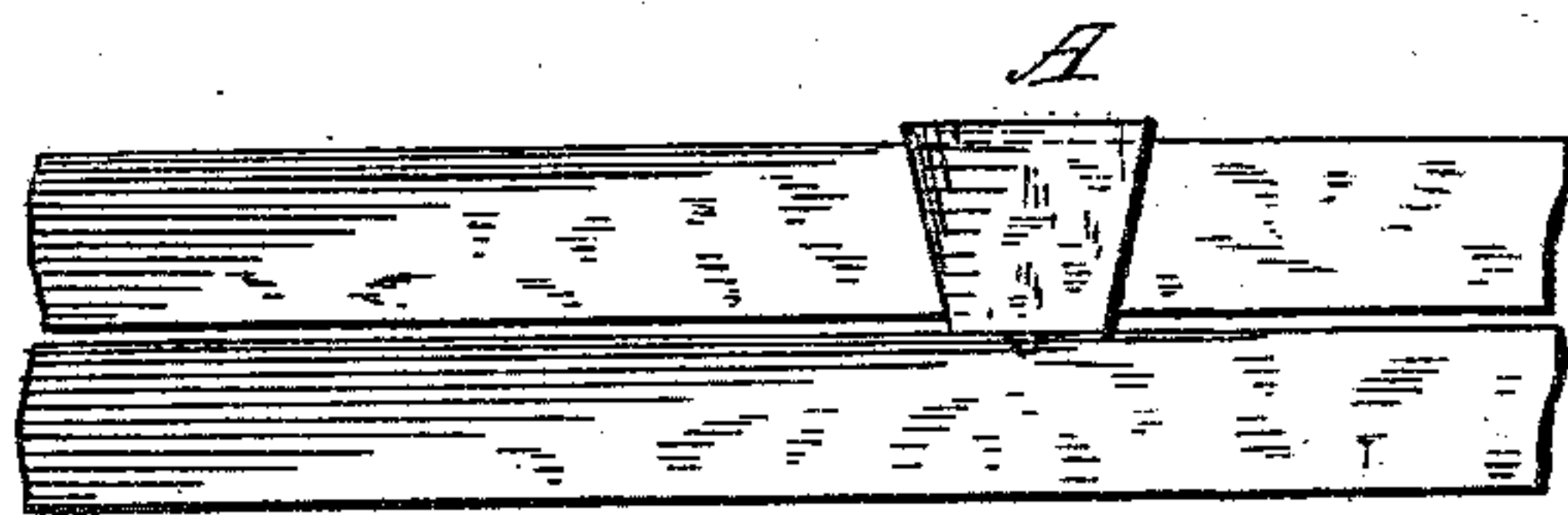


Fig. 3.



Witnesses:

E. M. Johnson
L. C. Miller

Inventor

William W. Bishop

[Signature]
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM W. BISHOP, OF VIRGINIA, ILLINOIS.

HARNESS-LOOP.

SPECIFICATION forming part of Letters Patent No. 283,559, dated August 21, 1883.

Application filed June 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. BISHOP, a citizen of the United States of America, residing at Virginia, in the county of Cass and State of Illinois, have invented certain new and useful Improvements in Loops 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in loops or keepers for harness, its object being to provide a means whereby the loop or keeper can be readily attached by means of a rivet; and it consists in a particular construction of the metallic loop, as will be hereinafter more fully set forth, and specifically pointed out in the claim.

In the annexed drawings, which illustrate my invention, Figure 1 is a perspective view of the loop detached. Fig. 2 is a transverse section, showing the same attached to a portion of a harness or trace. Fig. 3 is a side view, showing the same attached so that the loop will encircle both straps.

A represents the keeper or loop, which is preferably made of a single piece of malleable cast metal, and it is provided at its upper portion or top, which is of greater dimensions than the base, with a longitudinal slot, *a*, which may be of any suitable configuration, and is of sufficient size to admit a tool or punch within the same when it is desired to upset the end of the rivet. The sides of this loop taper downwardly centrally, and are connected to each other by the lower cross-bar, *b*, which is provided with a central perforation, *c*. By this construction it will be seen that the perforation is located immediately under the slot *a*. When it is desired to attach this improved loop to any portion of the harness, so that the same will act as a keeper, it is only necessary to provide a perforation in the strap which lies adjacent to the free end of the strap which it is desired to hold in position, and in this perforation is placed a rivet which is of sufficient length to extend through the strap to which the keeper is to be attached and through

the lower cross-bar, *b*, of the loop A. The head of the rivet is then placed upon a solid block or anvil, and a suitable tool inserted in the slot *a*, so that the same will rest upon the head of the rivet; thus forming a ready means for upsetting the rivet without marring the upper surface of the loop. By thus arranging the parts it will be seen that the enlarged head of the rivet will bear upon the leather, while its upset end will have a metallic bearing-surface, and the parts will be firmly united to each other.

By the construction hereinbefore described the parts will be firmly united and the loop will be held in position so as to be at right angles with the strap when the free end of the strap or trace is inserted in the keeper.

When desirable, the lower cross-bar, *b*, is provided with downwardly-projecting flanges *d*, adjacent to the central perforation, which bear upon the surface of the strap to which the keeper is attached, and will hold the same from turning upon the pivot.

I am aware that prior to my invention harness-loops have been made of malleable metal with flat tops and lower cross-bars, which have been cast in a single piece; and I do not claim such as my invention, as the same cannot be attached to a harness after the harness is manufactured, and are objectionable, as they interfere with the sewing-machine, my invention being intended to obviate this difficulty and provide a loop which can be attached to harness after all the stitching or sewing has been completed.

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

As an improved article of manufacture, the metallic harness-loop herein described, consisting of a flat top having an opening formed therein, centrally-tapering sides, and a flat cross-bar having a central perforation and downwardly-projecting flanges, substantially as shown, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM W. BISHOP.

Witnesses:

H. H. TURNER,
J. B. CRAFT.