

(No Model.)

H. C. HOLZHEIMER.
TRACE EYELET.

No. 567,238.

Patented Sept. 8, 1896.

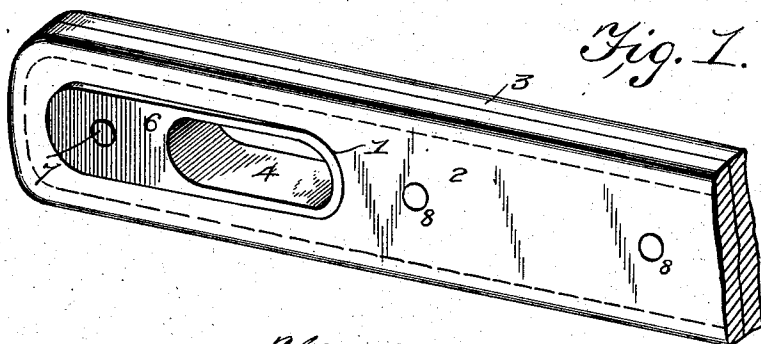


Fig. 1.

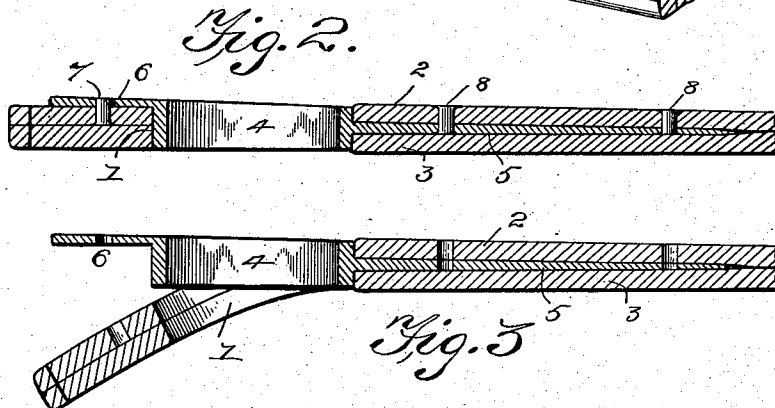


Fig. 2.

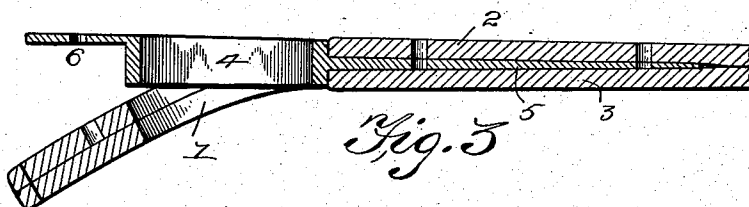


Fig. 3.

Fig. 4.

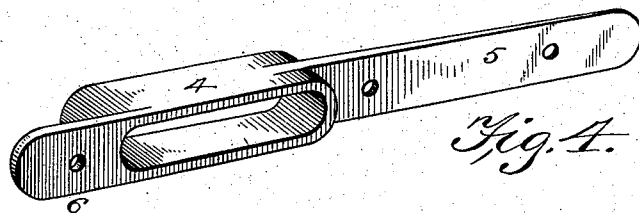
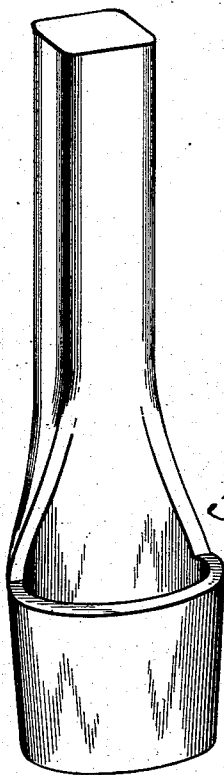


Fig. 5.



Inventor

Henry C. Holzheimer

Witnesses

E. H. Moore
E. J. [unclear]

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UNITED STATES PATENT OFFICE.

HENRY CHARLES HOLZHEIMER, OF NORTH PLEASUREVILLE, KENTUCKY,
ASSIGNOR OF ONE-HALF TO BERRY THOMPSON, M. V. SHIVEL, J. T.
RINER, AND J. M. THRELKELD, OF SAME PLACE.

TRACE-EYELET.

SPECIFICATION forming part of Letters Patent No. 567,238, dated September 8, 1896.

Application filed August 23, 1895. Serial No. 560,276. (No model.)

To all whom it may concern:

Be it known that I, HENRY CHARLES HOLZHEIMER, a citizen of the United States, residing at North Pleasureville, in the county of Henry and State of Kentucky, have invented a new and useful Trace-Eyelet, of which the following is a specification.

My invention relates to a trace-eyelet adapted to be applied to a trace and to any other portion of harness requiring a device of this class to prevent the straining of a strap contiguous to the eye; and the object in view is to provide an eyelet which may be applied with facility to a strap either during or subsequent to assembling the parts of the trace or other part of harness.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of an eyelet embodying my invention applied in the operative position to a trace, a portion of the trace being shown. Fig. 2 is a longitudinal section of the same. Fig. 3 is a similar view showing the parts in the positions they assume while applying or removing an eyelet. Fig. 4 is a detail view of the eyelet detached. Fig. 5 is a detail view of a die adapted for cutting an opening in the trace for the reception of the improved eyelet.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The construction of the eyelet is such as to adapt it to be arranged in position without cutting the stitches or other fastening devices between the parts or layers of the trace, or otherwise disconnecting said parts or layers. After forming the opening 1 in the parts or layers 2 and 3, respectively, of the trace, said opening being of any preferred shape and size to suit the body portion 4 of the eyelet, the tongue 5, which is integral with the body portion of the eyelet, is introduced between the parts or layers of the trace, as shown in Fig. 2, until the extremity of the body portion adjacent to said tongue bears against the contiguous end of the

opening in the trace, as indicated in Fig. 3, the extremity of the trace being bent or deflected out of the line of the eyelet during the insertion of the tongue. When the tongue has been introduced between the parts or layers of the trace to its full extent, the extremity of the trace may be bent back to its normal position to cause the eyelet to lie wholly in the plane thereof and fit and bound the entire opening. The slotted body portion of the eyelet projects laterally beyond the planes of the sides of the tongue a distance equal to the thickness of the members or layers of the trace which bear against said surfaces of the tongue, whereby the opposite edges of the body portion are flush with the exterior surfaces of the members or layers of the trace.

In order to secure the outer or rear end of the eyelet to the trace, I employ an ear 6, which bears against the exterior surface of one of the members or layers of the trace, and is secured thereto by means of a pin or rivet 7. The tongue is also secured in place by means of pins or rivets 8, engaging registering perforations in the trace and tongue. In the construction illustrated the pins or rivets do not extend through both exterior layers of the trace, but terminate at the inner surface of the inner layer, or that layer which is arranged adjacent to the side of the horse, whereby a perfectly smooth surface is provided for the trace, and as the ear 6 is arranged at the exterior side of the eyelet and bears against the outer surface of the trace, and as the inner edges of the body portion of the eyelet are arranged flush with the inner surface of the trace, it will be seen that this inner surface is unbroken throughout.

From the above description it will be seen that the improved eyelet may be applied to a trace either during the process of constructing the latter or after the manufacture thereof, the body portion of the eyelet being made of any desired size and shape to suit the construction of the hook or other part of harness with which said eyelet is to be engaged, and when arranged in operative position the edges of the body portion of the eyelet are

flush with the exterior and interior or exposed surfaces of the trace. In Fig. 5 I have shown a punch adapted for forming the openings or slots in the trace, the size and shape of the punch being such as to form an opening adapted to receive the body portion of the eyelet and fit the same snugly.

As above described, the eyelet embodying my invention may be applied to a trace subsequent to the completion of the manufacture of the latter by the insertion through the opening in the trace of the elongated tongue 5, which does not exceed the hollow body portion 4 in width, and the ear 6, in addition to serving as a means for securing the eyelet to the trace, is adapted to perform the function of a guard or wear plate for contact with the contiguous portion of a whiffletree with which it is engaged.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

A trace-eyelet for application to a trace after the completion of the manufacture of the latter, the same having a hollow body portion adapted to fit snugly in and bound the entire opening in the trace, and provided with a forwardly-extending tongue to fit between members or layers of the trace and an ear flush with one edge of the body portion and adapted to be secured to the outer surface of the trace, the tongue not exceeding the body portion in width whereby it may be inserted through the opening to introduce it between the members of the trace, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY CHARLES HOLZHEIMER.

Witnesses:

FRANK E. SMITH,

T. BOYD HANCOCK.