

No. 650,242.

Patented May 22, 1900.

T. W. HART.  
HARNESS CONNECTOR.

(Application filed Dec. 21, 1898.)

(No Model.)

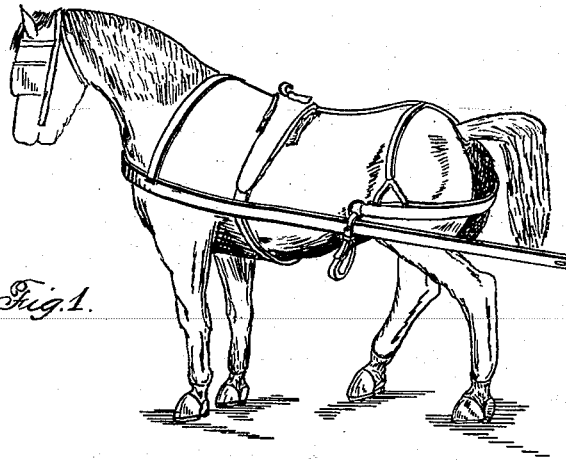


Fig. 1.

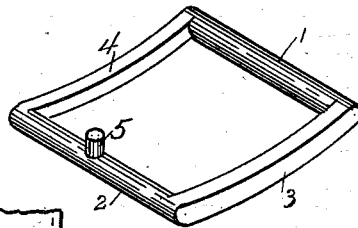


Fig. 2.

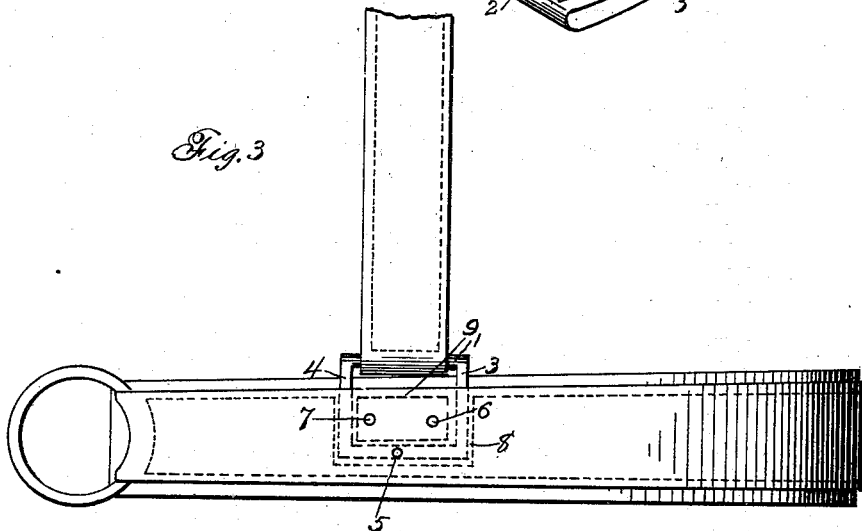


Fig. 3.

T. W. HART.  
Inventor

Witnesses  
Albert K. Williams, Jr.  
Geo. S. Whitcomb

By *W. T. Fitzhugh*  
Attorney

# UNITED STATES PATENT OFFICE.

THOMAS W. HART, OF MEMPHIS, TENNESSEE.

## HARNESS-CONNECTOR.

SPECIFICATION forming part of Letters Patent No. 650,242, dated May 22, 1900.

Application filed December 21, 1898. Serial No. 699,933. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS W. HART, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Harness Attachments; 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.

My invention, as will be hereinafter described and claimed, relates to harness, and more particularly to a securing device designed to connect certain parts of the harness together in a thoroughly-reliable manner.

The object of my invention is to enable the breeching, breast-tug, or other parts of the harness to be easily secured to their supporting-straps without the necessity of specially riveting or sewing said parts together.

The advantages arising from the use of my invention will be made fully apparent from the following specification, reference being had to the accompanying drawings, in which—

Figure 1 shows a set of harness provided with my improved securing device. Fig. 2 is a perspective view of my invention complete, while Fig. 3 shows the application thereof to the breeching and also showing a portion of the supporting-strap properly attached thereto.

My anchoring or securing device is commonly termed a "D," and, as will be seen by reference to Fig. 2, consists of a preferably-rectangular frame, which, however, may be varied in shape as desired, said frame consisting of the end sections 1 and 2, both of which are preferably circular in cross-section and are designed to be received by a loop formed in the supporting-strap or embedded in the material forming the breeching or other part to be supported, while the side sections 3 and 4 are preferably rectangular in cross-section, though said parts may, if desired, be ornamentally finished in order to insure that the exposed portions thereof may present an attractive appearance.

I prefer to form the sections 3 and 4 so that they will be slightly curved, as shown in Fig. 2, the object thereof being to insure that they will hold the leather in which they are partly

embedded in a slightly-curved position, thereby presenting a convex side for contact with the animal and insuring that the edges of the leather will not be so liable to bind or chafe.

Upon one or both of the sections 2 I provide the lug or stem 5, which is preferably integrally formed with the said section 2 and is designed to extend through an aperture provided in the portion of the harness in which this end of the D is embedded, and it is clear that the protruding end of said lug may, if desired, be upset in order that it may act as a rivet or anchor. It is also obvious that the lug 5 may be reinforced with a similar lug formed upon the opposite side of the sections 2 and lying in the same plane with the lug 5, though pointing in an opposite direction, said portion being designed to extend through the portion of the harness receiving it.

In Fig. 3 the lug 5 is shown as extending entirely through the outer wall of the breeching ready to be battered down or upset, if deemed desirable, while the D may be additionally secured in position by means of the rivets 6 and 7 and the lines of stitching, as indicated by the numerals 8 and 9. It is further obvious that the lug 5 may be reduced in length, so as not to extend entirely through the leather in closing it, as in such case it will only be necessary to provide an aperture on the inner contiguous face of the leather of sufficient depth to receive the lug, when the rivets 6 and 7 and the lines of stitching 8 and 9 may be provided, though it is thought that said rivets may be entirely dispensed with, if deemed a preferable construction, in order to impart a more perfect finish to the harness.

I am aware that it is old to provide a D or link-section in order to connect portions of a harness together—as, for instance, a D designed for such purpose is shown by patentee Covert in Patent No. 140,474; but I claim that a D constructed as I have herein specified will prove of a more desirable character, inasmuch as the anchoring point or lug which I have provided will not necessitate the mutilation of the harness, as said lug may be wholly hidden from view in the manner stated.

My improved D, consisting, as it does, of a substantially-rectangular frame, is provided

upon its lower section and upon the central portion thereof with an outwardly-extending lug 5, the object of said lug being to more reliably anchor the D in place, as set forth, 5 though at the same time permitting the upper portion of the D to have a slight play, which would not be possible if the lugs 5 were increased in number. By locating the lug or stem 5 in the middle of section 2 said 10 lug forms a pivot-point upon which the securing device may have a slight movement, thereby permitting the upper portion of the device to slightly yieldingly conform to the strain placed upon it without danger of injuring the leather within which the device is em- 15 bedded.

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

The herein-described D attachment for harness comprising a rectangular frame, the upper and lower sections being round in cross-section while the side sections are square in cross-section and slightly curved longitudinally, said lower section being provided with an outwardly-extending lug 5 formed upon 25 its central portion, as set forth.

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

THOMAS W. HART.

Witnesses:

JOHN H. REED,  
JAS. L. POWELL.