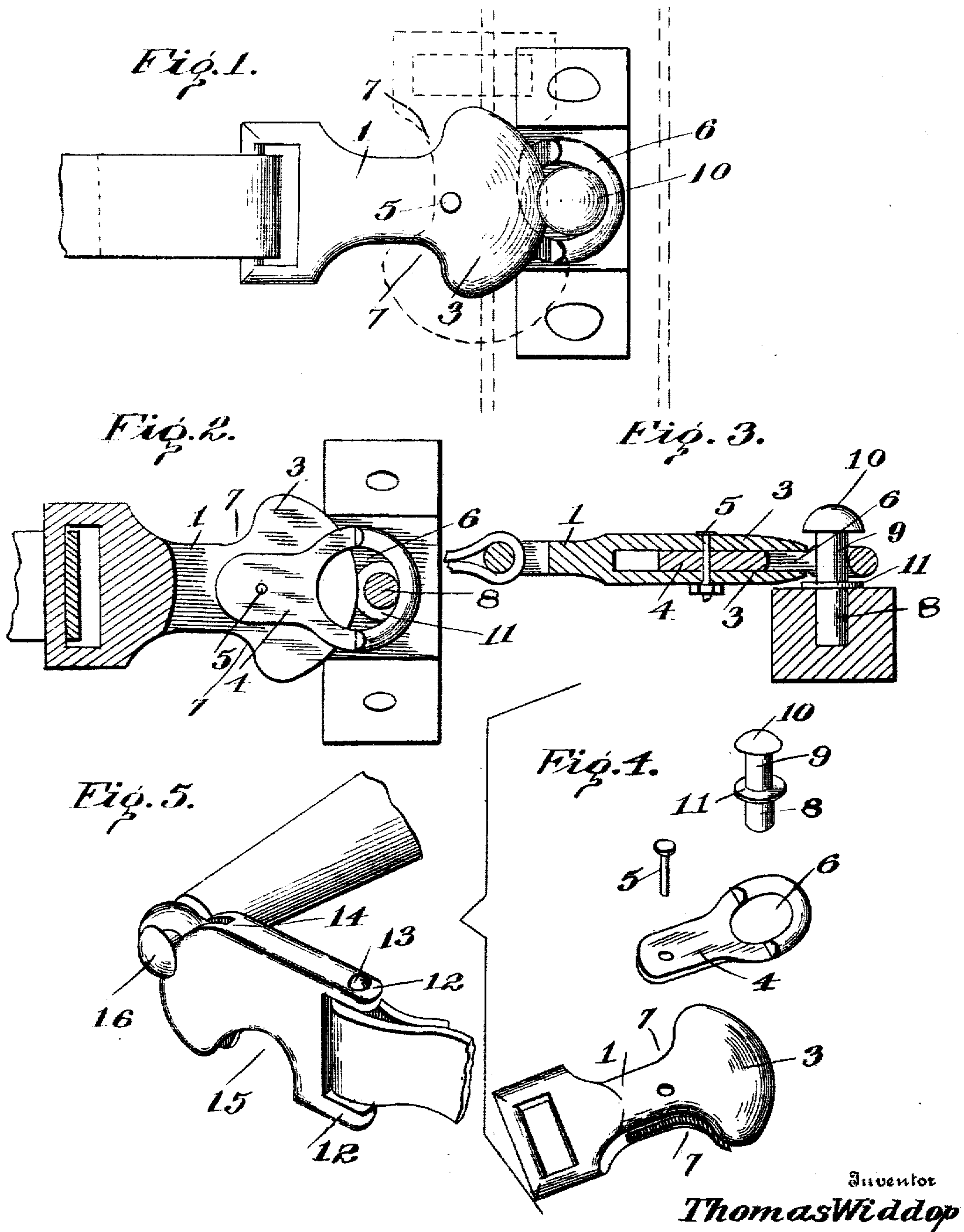


No. 811,755.

PATENTED FEB. 6, 1906.

T. WIDDOP.  
HARNESS FASTENER.  
APPLICATION FILED JULY 21, 1905.



Witnesses  
*W. N. Woodson.*

Inventor  
*Thomas Widdop*  
By *W. B. Racy*, Attorney



# UNITED STATES PATENT OFFICE.

THOMAS WIDDOP, OF MOUNTAINVIEW, WYOMING, ASSIGNOR OF ONE-HALF TO JAMES PERRY, OF MOUNTAINVIEW, WYOMING.

## HARNESS-FASTENER.

No. 811,755.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed July 21, 1905. Serial No. 270,720.

*To all whom it may concern:*

Be it known that I, THOMAS WIDDOP, a citizen of the United States, residing at Mountainview, in the county of Uinta and State of Wyoming, have invented certain new and useful Improvements in Harness-Fasteners, of which the following is a specification.

This invention relates to improvements in harness-fasteners, and while it is designed particularly for use in connection with the checkrein and traces it may be used with equal facility on the neck-yoke or wherever else it is applicable.

A hook is commonly employed for connecting the checkreins to the back-band and is the cause of much annoyance and frequent accidents, owing to the fact that the lines not infrequently become engaged with the hook, so as to place the animal beyond the control of the driver.

The object of this invention is to overcome this difficulty and to produce a device of the character described which will be free from troublesome projections, which can be quickly attached and detached, and which will form a very secure connection.

With these objects in view the invention consists, essentially, of a bifurcated member having a link pivoted therein and provided with an eye, said eye normally projecting partly beyond the end of the bifurcated member, and of a stud comprising a shank and a head, the head being of a size to pass loosely through the eye, while the shank is adapted to pass through the projecting portion of the eye.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a top plan view of the device, showing the method of connecting same in dotted lines. Fig. 2 is a horizontal sectional view. Fig. 3 is a longitudinal sectional view. Fig. 4 is a detail perspective view of the parts. Fig. 5 is a perspective view showing a modification.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates the body portion

of the device, which is provided at one end with a loop-hole, by means of which it is attached to the strap, and is bifurcated at the opposite end, so as to be divided into two approximately parallel arms 3. A member 4 is pivotally mounted between the arms 3 by means of a pin 5 and is provided with an eye 6, which extends partly beyond the arms 3. The ends of the arms 3 are shaped so that they lie in the circumference of a circle of which the pin 5 is the center, so that when the member 4 is swung around upon its pivot the eye 6 always projects the same amount beyond the arms 3. Notches 7 are provided in the sides of the arms 3, so that when the member 4 is swung around to said notches the eye 6 will be entirely free. A stud 8 is employed in connection with this device and comprises a shank 9 and a head 10. The head 10 is of a suitable size to be passed loosely through the eye 6, and the shank 9 is adapted to pass through the portion of the eye projecting beyond the arms 3. In order to form a connection, the member 4 is swung around to one of the notches 7 and the stud 8 passed through the eye 6. When the member 4 is swung back into normal position, the stud 8 cannot be withdrawn from the eye 6, owing to the fact that the head 10 engages with the end of the arms 3 and the projecting portion of the member 4. The projecting portion of the member 4 is thickened, so as to be approximately flush with the top and bottom, respectively, of the arms 3, and thus relieve the stud of any unequal strain. A washer 11 may be employed upon the shank 9 of the stud, if desired.

A modification is shown in Fig. 5, in which the device is shown as employed in a cockeye for attaching the traces to the ends of a swingletree. The body portion of the cockeye is provided with projections 12, through which a pin 13 is passed in order to make connection with the traces, and the bifurcated end is closed at the top, as seen at 14, and is provided with a notch 15 on the lower side. A stud 16, adapted to cooperate with the before-described device, is located upon the end of the swingletree, and the members can be readily connected and disconnected by turning the eye down into the notch 15.

While I have described this device as being particularly applicable for use in connection with the checkrein and traces, it must be

distinctly understood that I do not wish to limit myself to such use, since many other applications can be readily found for my invention.

5 Having thus described the invention, what is claimed as new is---

10 A harness-fastener comprising a body portion designed to be secured to one of the parts to be fastened together and provided at its outer end with a curved arm, an eye member pivotally secured to said body portion and of such length that its eye will project partially beyond the curved arm when in registry therewith, the body portion being further  
15 provided with a notch at one side of the curved arm and connecting therewith where-

by the eye member may be turned out of registry with said arm to expose its entire eye, and a stud designed to be secured to the other part to be fastened, the said stud being provided with a head of a diameter to pass through said eye, and of a diameter larger than the partially-exposed portion thereof, when the latter is in registry with the said arm.

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

THOMAS WIDDOP. [L. S.]

Witnesses:

THOMAS CASTO,  
JOSEPH P. GUILD.