

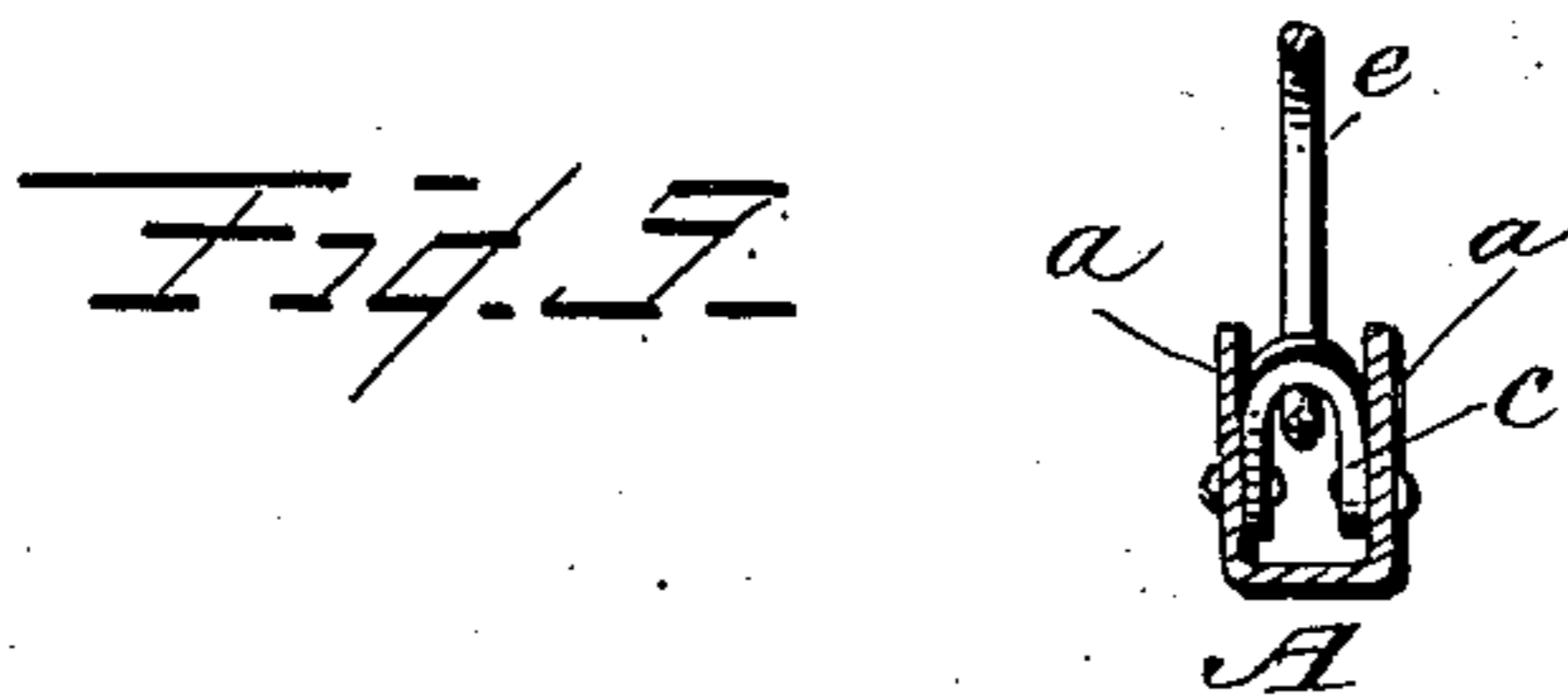
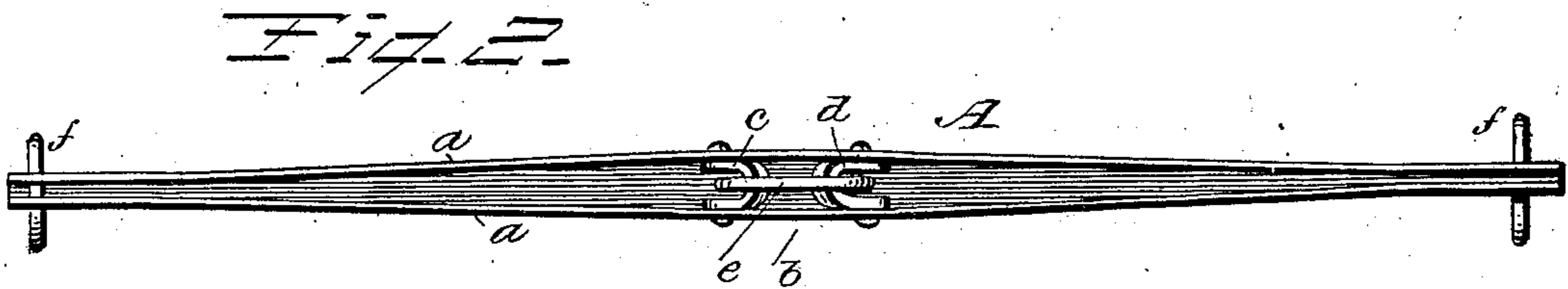
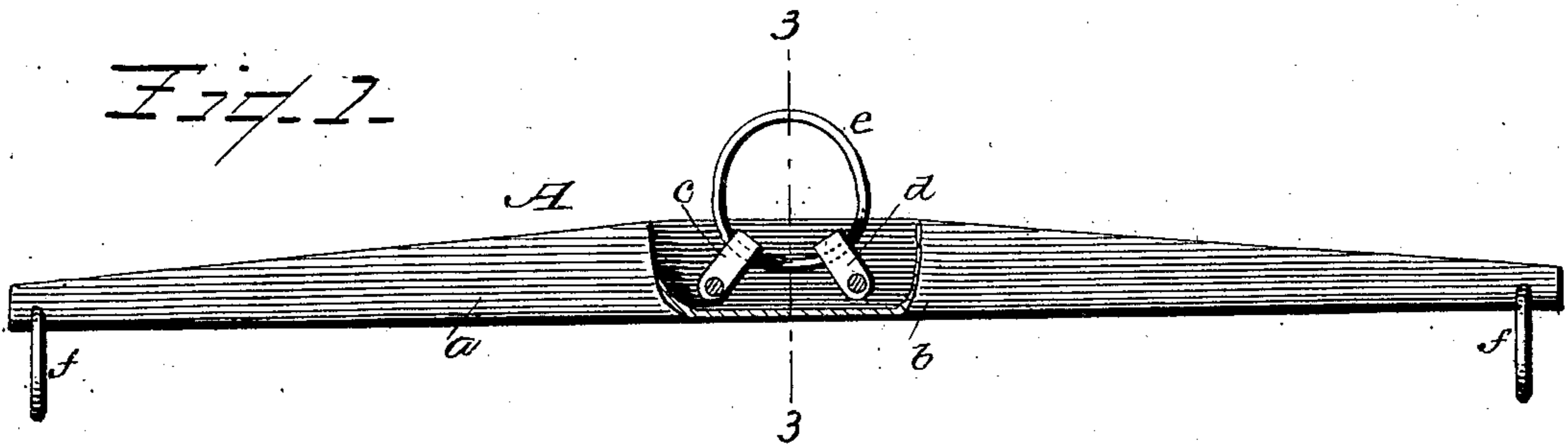
No. 827,905.

PATENTED AUG. 7, 1906.

M. R. BRUNER.

NECK YOKE.

APPLICATION FILED FEB. 3, 1906.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## NECK-YOKE.

No. 827,905.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed February 3, 1906. Serial No. 299,346.

*To all whom it may concern.*

Be it known that I, MARTIN R. BRUNER, a citizen of the United States, residing at Wapakoneta, in the county of Auglaize and State of Ohio, have invented certain new and useful Improvements in Neck-Yokes or Like Devices; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has reference to the construction of that class of devices applied to vehicles known as "eveners," "whiffletrees," and "neck-yokes;" and the object thereof is to provide such a device that will be light, strong, and durable, and effective in its purpose; and it consists in the construction substantially as shown in the drawings, and hereinafter described and claimed.

Figure 1 of the drawings is a side elevation of a device embodying my invention, partly broken away at its center; Fig. 2, a top plan view thereof; Fig. 3, a transverse section taken on line 3 3 of Fig. 1.

In the accompanying drawings I have shown the device as applied to a neck-yoke; but it is equally applicable to an evener or swingle or double tree or whiffletree, and in describing the construction of the device as a neck-yoke I wish it understood that the invention is not confined thereto, but may be embodied as well in the above-enumerated devices.

The bar A of the neck-yoke is constructed of cold pressed steel from a suitable blank bent in the form shown—that is, having double sides *a* with their greatest width being at or near the center, as indicated at *b*, and gradually decreasing in width in a direction toward the ends of the bar and the sides gradually approaching each other in the same direction, the greatest space between the sides being at or near the center of the bar, as

shown in Fig. 2 of the drawings. The above construction of the bar gives increased strength at or near its center by the sides being wider at this point and being a greater distance apart.

Two saddles *c d* of U shape are pivotally connected to the inner sides of the sides *a b*, so that they will have a swinging motion and form braces for the sides of the yoke to keep them apart, and to these saddles is connected a suitable ring *e*, and rings *f* are suitably connected to the ends of the bar.

The saddles *c d* being attached or pivoted to both sides of the bar A prevents the sides thereof from spreading outward, and the saddles being duplicated prevents the ring connected thereto from having too much side motion and prevents the tongue of the vehicle from swinging sidewise.

The sides of the bar increasing in width in a direction toward the center thereof will materially increase the strength of the bar where most required with the maximum of lightness, the sides of the bar bracing each other at or near the center and preventing it from collapsing.

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

A neck-yoke or other like device for vehicles consisting of a bar of sheet-steel bent double and gradually increasing in width in a direction from its ends to the center thereof, the sides gradually extending outward in the same direction to form an increased space between the sides at or near the center of the bar, and double pivoted saddles connected to the sides of said bar, substantially as and for the purpose set forth.

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

MARTIN R. BRUNER.

Witnesses:

F. H. HUBBARD,  
JOHN L. FLETCHER.