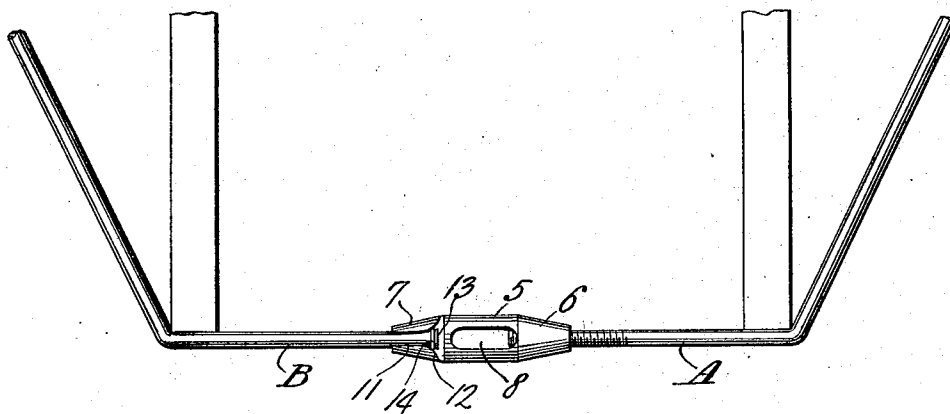


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TRUSS ROD BUCKLE.  
APPLICATION FILED NOV. 3, 1915.

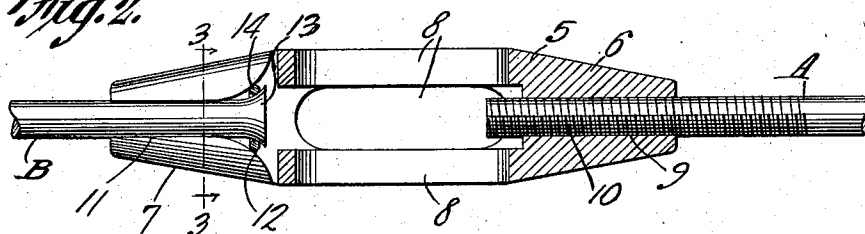
1,201,146.

Patented Oct. 10, 1916.

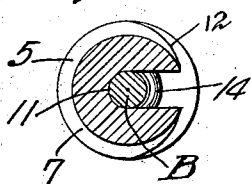
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

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## TRUSS-ROD BUCKLE.

1,201,146.

Specification of Letters Patent.

Patented Oct. 10, 1916.

Application filed November 3, 1915. Serial No. 59,364.

*To all whom it may concern:*

Be it known that I, JAMES CERNEY, a citizen of the United States, residing at Jefferson Barracks, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Truss-Rod Buckles, of which the following is a specification.

The invention relates to a truss rod buckle, and more particularly to the class of adjustable turn buckles.

The primary object of the invention is the provision of a buckle of this character, wherein only one end is internally threaded, while the opposite end is adapted to have swiveled therein one section of a truss rod, and in the threaded end is engaged the other section of the truss rod, so that on the turning of the buckle the latter section may be adjusted, thus in this manner avoiding the tapping of both sections of the truss rod in the buckle.

Another object of the invention is the provision of a buckle of this character, wherein the connection of one section of the truss rod therein is novel in form, so that the buckle will be swiveled thereon.

A further object of the invention is the provision of a buckle of this character, which is extremely simple in construction, thoroughly reliable and efficient in operation, strong, durable, readily and easily connected with the sections of a truss rod with despatch, and inexpensive in manufacture.

With these and other objects in view the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claim hereunto appended.

In the accompanying drawing: Figure 1, is a side elevation of a truss rod, showing the turn buckle constructed in accordance with the invention applied. Fig. 2, is an enlarged fragmentary sectional elevation. Fig. 3, is a sectional view on the line 3—3 of Fig. 2. Fig. 4 is a fragmentary side view of the swiveled end of one section of the truss rod. Fig. 5, is a side view of the ring.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A and B, designate the sections of a truss rod, which are adjustably connected through the medium of a turn buckle hereinafter fully described.

The turn buckle comprises a body 5, having reversely tapered ends 6 and 7, respectively, and medial openings 8, at right angles to and intersecting each other, to accommodate any suitable tool for the turning of the buckle when the occasion requires. In the end 6, of the body is an internally threaded bore 9, which adjustably receives the threaded end 10, on the section A, of the truss rod, while formed in the other end 7, of said body is a non-threaded bore 11, open at one side throughout its length and having a flared inner end forming a shoulder 12, interiorly of the body 5, for a purpose presently described.

Passed through the bore 11, is the other section B, of the truss rod, which is provided with a flared end forming a head 13, while loosely surrounding the section B, and engaged between the shoulder 12, and the head 13, is a ring 14, which swivels the section B, in the body 5, of the turn buckle, and prevents said head 13, from being pulled through the bore 11, when the buckle is turned for the adjustment of the sections of the truss rod.

From the foregoing it is thought that the construction and manner of use of the turn buckle will be clearly understood, and therefore a more extended explanation has been omitted.

What is claimed is.

The combination with a truss rod formed in two sections, of a turn buckle having threaded and non-threaded bores, a threaded end on one section of the truss rod for adjustable engagement in the threaded bore, a shoulder formed in the non-threaded bore, the other section of said truss rod being passed through the non-threaded bore and having a head, and a ring loosely surrounding the last named section and engaged between the head thereon and the shoulder.

In testimony whereof I affix my signature.

JAMES CERNEY.