

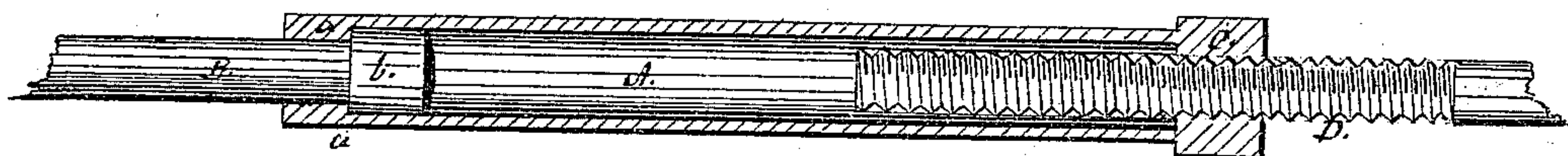
M. WHITE.

Improvement in Turn-Buckles.

No. 125,999.

Patented April 23, 1872.

Fig. 1.



Witnesses.

C. H. Poole
J. H. Luther

Inventor.

Malcom White Ass^t
To himself and John Gibbs
By J. B. Waverly Attorney

UNITED STATES PATENT OFFICE.

MALCOM WHITE, OF BROOKLYN, E. D., NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN GIBBS, OF SAME PLACE.

IMPROVEMENT IN TURN-BUCKLES.

Specification forming part of Letters Patent No. 125,999, dated April 23, 1872.

SPECIFICATION.

To whom it may concern:

Be it known that I, MALCOM WHITE, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a certain new and useful Improvement in Turn-Buckles for Tension-Rods for various purposes; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 represents a sectional view of my improvement, showing a tube provided with a head made square, hexagonal, or octagonal to receive a wrench for turning, in which is a screw-thread to receive one end of a tension-rod, the other end of the tube being provided with an internal annular shoulder, against which a head made on another rod bears, to tighten up.

My invention relates to turn-buckles for tension-rods; and it consists in incasing the screw so as to retain a lubricator, to prevent rusting, while it is much lighter and stronger than a link of the same weight, and draws in a direct line with the rod.

To enable others to make and use my improvement, I will further describe it, referring to the drawing.

A short piece of tubing, A, of any required size, may be upset or have a thimble welded or brazed into one end to form the annular shoulder *a* for the head *b* on the rod B to hold against, the screw-nut C projecting out from the tube A, and so formed as to receive a wrench, to turn it with, on the screw-rod B fitted into it. The tube A may be also made with screw-nuts C on one end and G on the other, to receive right and left screw-rods D and H, as shown in Fig. 3.

The advantages of my improvement over the link turn-buckles now in use are that they can be lighter, are much stronger, and symmetrical in their appearance, are more easily operated, retain their lubrication, and are more durable.

What I claim is—

A turn-buckle the body of which is composed of a hollow tube or pipe, the same having a thimble and collar welded or otherwise secured to its ends in such a manner as to form a swivel and screw-nut, substantially as shown and described.

In testimony whereof I hereunto subscribe my name in the presence of witnesses.

MALCOM WHITE.

Witnesses:

OSCAR H. STEARNS,
ADOLPH ÜRWEIN.