

J. MINETREE.

Devices for Applying Rubber Nuts to Bolts.

No. 133,716.

Patented Dec. 10, 1872.

Fig. 1.

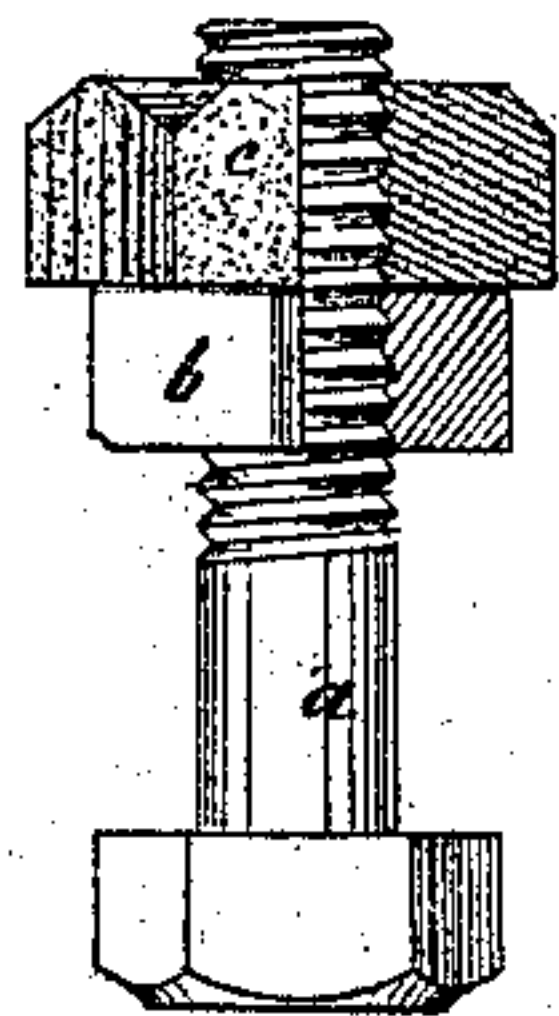
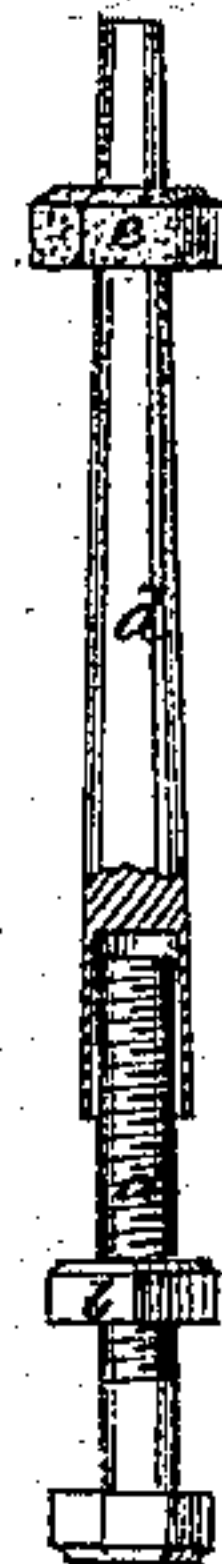


Fig. 2.



Witnesses:

H. J. Arch  
Thos. D. Curand

Inventor:

Jas. Minetree.

PER

Attorneys.

# UNITED STATES PATENT OFFICE.

JAMES MINETREE, OF PETERSBURG, VIRGINIA, ASSIGNOR TO EDWD. A. KITZMILLER, OF PITTSBURG, PENNSYLVANIA, AND JAS. H. PLATT, JR., OF PETERSBURG, VIRGINIA, TRUSTEES.

## IMPROVEMENT IN DEVICES FOR APPLYING RUBBER NUTS TO BOLTS.

Specification forming part of Letters Patent No. 133,716, dated December 10, 1872.

### *To all whom it may concern:*

Be it known that I, JAMES MINETREE, of Petersburg, in the county of Dinwiddie and State of Virginia, have invented a new and useful Improved Instrument for Applying Rubber Nuts to Bolts; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a side view of the bolt, showing a section of the rubber nut; and Fig. 2 is a side view of the bolt and the instrument for applying the rubber nut, a portion of said instrument being broken away to show its construction more clearly.

Similar letters of reference in the accompanying drawing denote the same parts.

The object of this invention is to improve the means for applying elastic nuts to bolts; and to this end the invention consists in the construction and employment for the purpose of the tapering instrument hereinafter described.

Said instrument is constructed of metal, either straight or hooked at its smaller end, and hollow at its larger end, so as to pass over and encompass the end of the bolt, as shown in the drawing, the surface of the instrument being smooth and its small end being adapted to readily enter the central aperture of the elastic nut. It being applied as shown and properly lubricated the nut is easily slipped upon it and slid over the bolt, when, the instrument having been withdrawn, the nut remains firmly attached to the bolt, its elasticity causing it to adhere to the screw-threads with such tenacity that no slight force is necessary to effect its removal.

Having thus described my invention, what I claim is—

The instrument described, for the purpose specified.

JAMES MINETREE.

Witnesses:

JAMES PARRISH,  
GILES W. PAYNE.