

(No Model.)

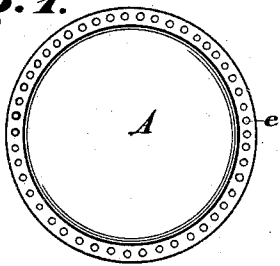
E. ROTH LISBERGER.

TOP PROP NUT.

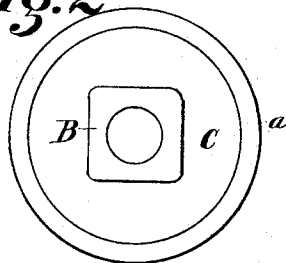
No. 313,771.

Patented Mar. 10, 1885.

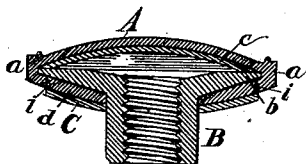
*Fig. 1.*



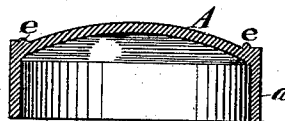
*Fig. 2.*



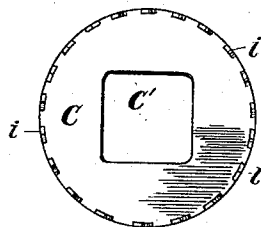
*Fig. 3.*



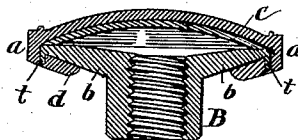
*Fig. 4.*



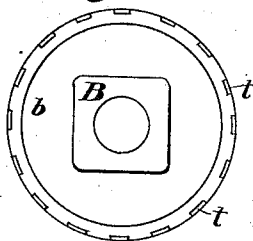
*Fig. 5.*



*Fig. 6.*



*Fig. 7.*



Attest

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# UNITED STATES PATENT OFFICE.

ERNESTE ROTH LISBERGER, OF CINCINNATI, OHIO.

## TOP-PROP NUT.

SPECIFICATION forming part of Letters Patent No. 313,771, dated March 10, 1885.

Application filed April 25, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, ERNESTE ROTH LISBERGER, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Carriage-Top-Prop Nuts, of which the following is a specification.

My invention relates to an improvement in prop-nuts for carriage-tops.

The object of my invention is to construct an ornamental leather-covered nut, which can be quickly and cheaply made in dies, ornamentally finished, and avoiding the necessity of sewing the leather covering on the nut, which is commonly done now.

Metallic covering nuts have hitherto been employed in some instances; but they are not as desirable as leather, first, because they are easily bent; and, second, because they are more apt to scale and do not wear as well.

Figure 1 represents a top plan view of a finished nut; Fig. 2, a bottom plan view of the same; Fig. 3, a central cross-section of the same; Fig. 4, a central cross-section of the leather covering, showing the first step in forming the same. Fig. 5 is a bottom plan view of the finishing-plate. Fig. 6 is a cross-section of a modification of the same. Fig. 7 is a plan view of the modified nut shown in Fig. 6.

A represents the covering of my preferred form of nut.

B represents the screw-shank; *b*, the head, which is preferably made convex for lightness, and filled out in oval form by means of a concave plate, *c*, as shown in Fig. 3. The nut B is made of any soft metal cast in one piece and screw-threaded in the usual manner. The covering A is made of leather or other similar material first formed by dies into cup shape, as shown in Fig. 4.

*e* represents imitation stitches; *a*, the sides of the cup, the interior of which is made of the proper size to receive the head *b* of the metallic nut. The cup is formed of a piece of leather cut in the proper shape and stretched by the dies into the shape and form shown in Fig. 4. When the screw B *b*, together with the plate *c*, are inserted within the flanges of the cup-shaped leather, then the edges or flanges *a* of the cup are turned over upon the under side of the head *b*, as represented by *d*, Fig. 3. This may be readily done by fin-

ishing-dies. The flanged or turned-over lap *d* is securely held in position by means of a metallic plate, C, which is formed with an annular series of downwardly-projecting tongs or pointed projections, *i*, formed on the periphery and stamped from a metal blank, and having an opening, C', so as to pass over the shank of the nut B when the tongs or points *i* are forced down into the leather and securely hold the parts together.

A modification of the method of securing the parts together is shown in Figs. 6 and 7. This modification consists in forming tongs *t* upon the under side of the head *b* of the nut, and the flanges *d* are forced down upon the under side of the head of the nut, the tongs *t* being forced into the flanges and holding them in position, thus dispensing with the plate C. Another modification would be to have the plate *c* made to extend beyond the periphery of the head of the bolt *b*, and with the tongs *t* formed upon the plate *c*, which would project downwardly between the sides of the cup *a* and the head *b* of the bolt into the leather flange *d*.

Any desired configuration of the exterior may be formed by the dies.

The advantage of constructing the nut in this manner is that it may be made as cheaply and quickly as when made from metal, and possessing all the advantages of the leather-covered and hand-sewed prop-nut in general use. It can also be used for covering bolt-heads as well as for nuts.

I claim—

1. A prop-nut composed, substantially, of the nut B, having a flanged head, *b*, and the leather covering A *a*, having the overlapping flange *d*, turned upon the under side of the head *b* and secured by metallic projections, substantially as specified.

2. In combination with the leather covering A *a*, metallic nut B, having the flanged head *b* and downwardly-projecting tongs *t*, for securing the leather to the head, substantially as specified.

In testimony whereof I have hereunto set my hand.

ERNESTE ROTH LISBERGER.

Witnesses:

A. GLUCHOWSKY,  
EDWARD BOYD.