

(No Model.)

H. HIGGIN.

PROP NUT.

No. 336,808.

Patented Feb. 23, 1886.

Fig. 1.

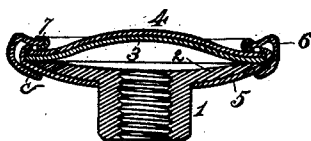


Fig. 2.

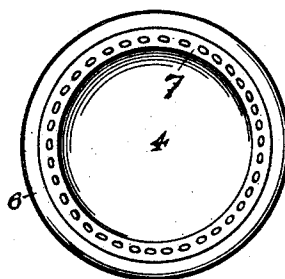


Fig. 3.

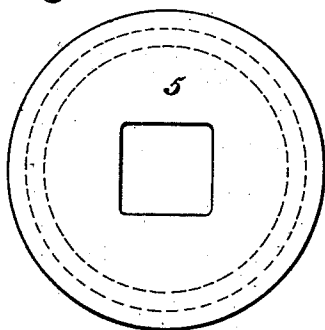


Fig. 4.

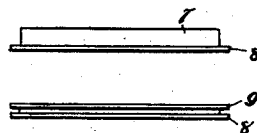


Fig. 7.

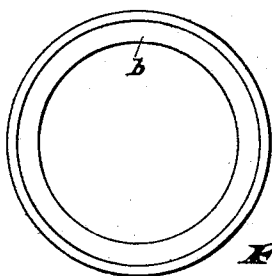


Fig. 5.

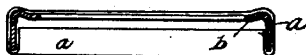
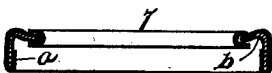


Fig. 6.



Attest

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UNITED STATES PATENT OFFICE.

HENRY HIGGIN, OF NEWPORT, KENTUCKY.

PROP-NUT.

SPECIFICATION forming part of Letters Patent No. 336,808, dated February 23, 1886.

Application filed February 25, 1885. Serial No. 157,001. (No model.)

To all whom it may concern:

Be it known that I, HENRY HIGGIN, a resident of Newport, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Prop-Nuts, of which the following is a specification.

My invention relates to that class of nuts which are used for the ornamental finish to carriage-top props.

The object of my invention is to furnish a nut having a leather-covered edge or rim, made by dies, without the use or employment of stitches to hold the parts together, all of which will be fully set forth in the description of the accompanying drawings, making a part of this specification, in which—

Figure 1 is a central cross-section of my improvement. Fig. 2 is a top plan view of the same; Fig. 3, a bottom plan view showing a detail of construction. Fig. 4 is a detail plan view of the eyelets or clamps; Fig. 5, a cross-section of the leather-covered rim before it is connected to the button. Fig. 6 is a cross-section of the same, showing the eyelet attachments in position for binding the leather to the metal. Fig. 7 is a plan view of the annulus of the rim shown in Fig. 6.

1 represents the screw-threaded shank of the prop-nut; 2, the disk or head of the same; 3, a metallic plate resting upon the disk to support the finished center 4, which is either metal or leather, as desired. Plates 3 and 4 are secured in position by the plate 5, which is turned over the edges of disk and plates 3 and 4.

6 represents the rim, which is formed of a piece of metal covered with leather. In order to secure the leather to the metal rim 7, without the use of stitches or glue, I employ an eyelet, which is formed from a metal ring. The first step in this formation is to turn up the top flange, 8, on the metal ring 7, which is shown in Fig. 4. This is placed within the annulus of the rim 6. Then the lower edge is turned down to form the flange 9. This pinches the flanges 8 and 9 down upon the inner edge of the leather-covered rim, as illustrated in Fig. 6.

Fig. 5 represents the rim covered with leather, *a* representing the leather covering, and *b*

the metal of which the rim is formed. This rim 6 is placed upon the button, as shown in Fig. 1, and the lower edge turned over by a die or tool to bind against the under side of the button. Thus the leather-covered rim serves as a clamp to hold the parts of the button together.

The prop-nut is constructed as follows: The plate 3 is first placed upon the disk of the nut 1, and the leather or finished center 4 placed upon the disk. Then plate 5, which is pierced with a shank-hole, is put on, and its edge turned over by means of dies to clasp and hold plates 3 and 4 in position. The rim 6 is made of a metal ring, *b*, covered with leather *a*. The flanges 8 and 9 are spun or turned over the inner peripheral edge to clasp and hold the leather *a* to the metal *b*. The leather *a* being turned over the bottom edge of the rim *b*, as shown in Fig. 5, rim 7 is placed down upon the button, and its vertical flange is then turned over to rest against the plate 5, as shown at *c*, Fig. 1. Thus I obtain a leather-covered rim attached to the button without the use of stitches, glue, or other material which would render it unserviceable.

Various attempts have hitherto been made to produce a leather-covered prop-nut without the use of stitches or glue, and yet to have the same suitably supported by metal to prevent its losing its shape.

Leather may be shaped in dies under pressure; but the change of temperature to which it is subjected causes it to lose its shape.

Metallic-covered prop-nuts are in general use; but they do not have the fine finish that leather surfaces have, and are objectionable for fine work.

My improvement herein shown and described is so constructed as to preserve the shape, and to furnish the desired finished edge for prop-nuts or other similar articles.

I claim—

1. The combination, in a prop-nut, of the shank 1, having the disk 2, the supporting-plate 3, the finishing-cover 4 thereon, and a leather-covered rim, 6, substantially as described.

2. The combination, in a prop-nut, of the shank 1, having the disk 2, the supporting-

plate 3, the finishing-cover 4, and the leather-covered rim 6, turned around the disk and bearing on the cover, substantially as described.

- 5 3. A finishing-rim for nuts or other similar articles, composed of the annular ring *b*, covered with leather, the parts being secured together by the eyelet 7, clamped upon the

inner peripheral edge, substantially as described.

In testimony whereof I have hereunto set my hand.

HENRY HIGGIN.

Witness:

ROBERT ZÄWNER,
JNO. L. ROEBUCK, Jr.