

B. SNYDER.

Axle-Skein for Vehicles.

No. 160,964.

Patented March 16, 1875.

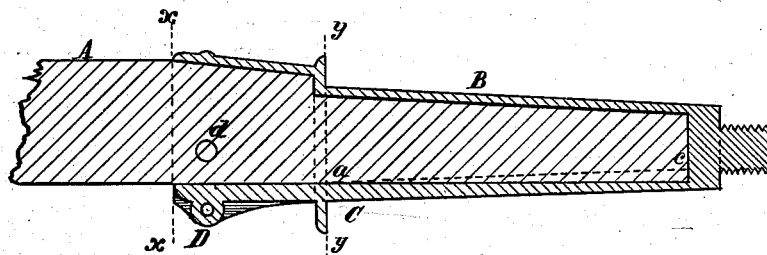


Fig. 1.

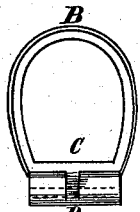


Fig. 2.

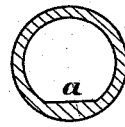


Fig. 3.

Witnesses.  
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# UNITED STATES PATENT OFFICE.

BENJAMIN SNYDER, OF JOHNSON'S CORNERS, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOSEPH H. MILLER, OF SAME PLACE.

## IMPROVEMENT IN AXLE-SKEINS FOR VEHICLES.

Specification forming part of Letters Patent No. **160,964**, dated March 16, 1875; application filed December 24, 1874.

*To all whom it may concern:*

Be it known that I, BENJAMIN SNYDER, of Johnson's Corners, in the county of Summit, State of Ohio, have invented certain Improvements in Axle-Skeins, of which the following is a specification:

This invention relates to certain improvements in thimble-skeins especially designed for use in lumber-wagons and such class of heavy vehicles. My invention has for its object to provide a skein which will enable an inexperienced person to fit the skein or thimble to the axle; and, to accomplish the above-mentioned objects my invention consists in constructing the thimble-skein, at its lower bearing-surface, with a flat straight seat for the under side of the wooden axle, and making said thimble-skein gradually tapering from its front to its rear end, whereby the skein can be fitted to the axle with great facility and by unskilled persons.

In the drawings, Figure 1 is a central sectional view of my invention. Figs. 2 and 3 are cross-sections of the skein at the lines  $x x$  and  $y y$ , respectively.

Referring to Fig. 1 of the accompanying drawings, it will be seen that the thimble-skein is made of the same thickness at the outer end, but, instead of cutting away the wood of the axle to provide the required pitch for the wheel, I construct the skein with a corresponding gradual increase in the thickness

of the under side of the thimble to the base of the hub at the point C, thereby accomplishing the same result, while preserving the grain of the axle to the end of the skein, thereby securing greater supporting power.

The lower bearing-surface or bottom of the thimble-skein, instead of being curved, is constructed with a straight flat surface, widest at the inner end, and tapering to a point at the outer end, or at an intermediate point, thereby enabling an inexperienced person to fit the thimble to the axle, as the axle, being planed true on its under side, rests upon the said flat bearing on the axle-skein, and affords an unerring guide to fitting the thimble.

On the lower face of the thimble, near the large end thereof, is a lug, D, having a bolt-hole to receive the end of the bolt which braces the hounds.

Having thus described my invention, what I claim is—

A thimble-skein, tapering from its front to its rear end, and gradually increasing in thickness from its outer to its inner end, and having on its lower inner bearing-surface a flat straight seat for the under side of the wooden axle, substantially as shown and described.

BENJAMIN SNYDER.

Witnesses:

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