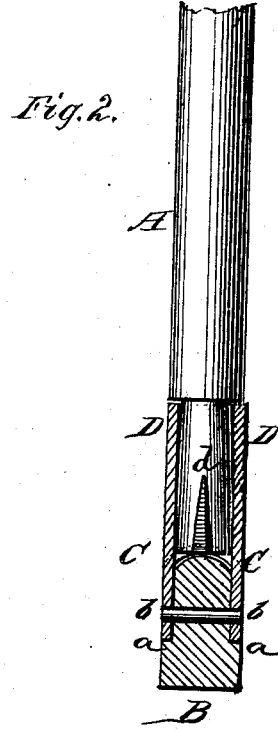
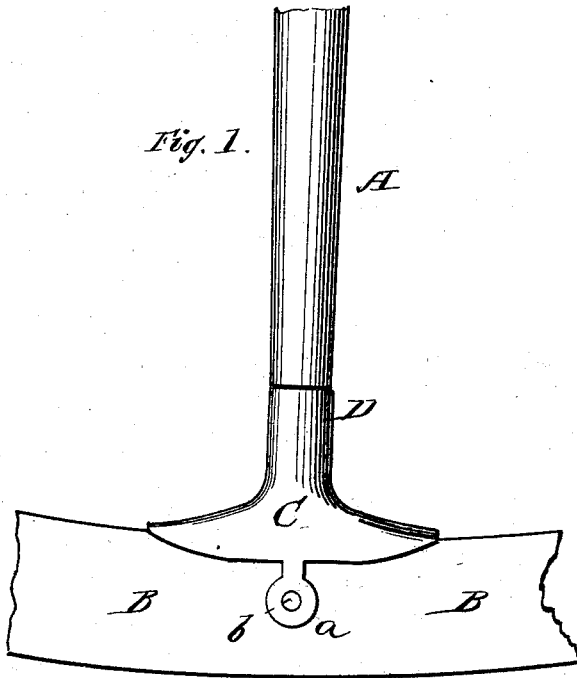


B. POULSON  
Spoke-Socket.

No. 165,365.

Patented July 6, 1875.



WITNESSES:

*P. C. Dieterich*

*W. C. McArthur*

INVENTOR:

*B. Poulson*

*per H. Alexander*

ATTORNEY.

# UNITED STATES PATENT OFFICE.

BRITTON POULSON, OF FORT WAYNE, INDIANA.

## IMPROVEMENT IN SPOKE-SOCKETS.

Specification forming part of Letters Patent No. **165,365**, dated July 6, 1875; application filed April 16, 1875.

*To all whom it may concern:*

Be it known that I, B. POULSON, of Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Spoke and Felly Connections; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a metallic union or connection for spokes and fellies, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation, and Fig. 2 is a central vertical section, of my invention.

A represents a wheel-spoke, and B the felly, to which the same is to be united. The union or connection is made of a single piece of metal, shaped to form a solid support, C, against the inner edge of the felly. The support C is made concave to fit around the edge of the felly, and from the center of each side projects an ear, *a*, which is let into the felly, and a single rivet, *b*, passed through the ears and felly, thereby securing the connection thereto. The support C is formed with a

socket, D, into which the spoke A is driven before the connection is fastened on the felly. A wedge, *d*, is driven into the end of the spoke, as shown, to securely fasten the same in the socket.

I am aware that the broad idea of forming a connection between the spoke and felly by a metallic support is not new. I am also aware that the sides of the metallic supports have been sharpened and driven into the felly. I do not wish, therefore, to be understood as laying any claim to either of these ideas.

It will be noticed that in my spoke and felly connection there is no hole through the felly, except for the single rivet *b*, and hence the felly is left of unimpaired strength and solidity.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The spoke and felly connection consisting of the support C, provided with the ears *a a* and socket D, in combination with the spoke A, felly B, and rivet *b*, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

BRITTON POULSON.

Witnesses:

GEO. J. E. MAYER,  
FRANK VOIROL.