No. 886,715. PATENTED MAY 5, 1908.

N. W. MAY.

SPOKE SOCKET.

APPLICATION FILED JULY 31, 1907.

FIG. 1.

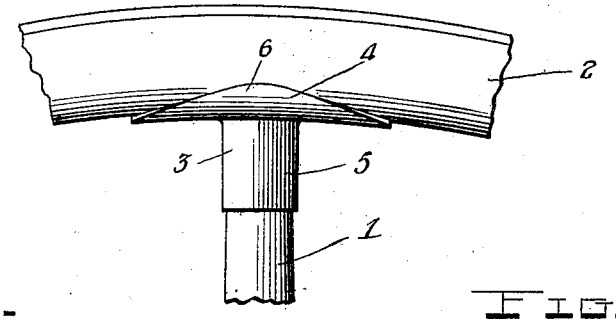


FIG. 2.

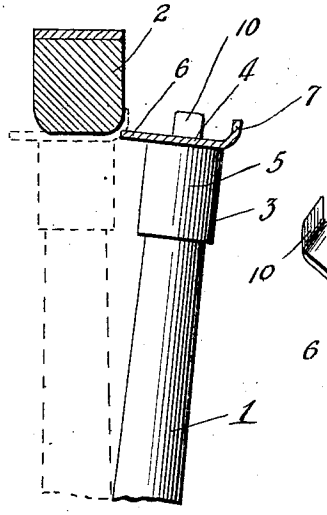


FIG. 3.

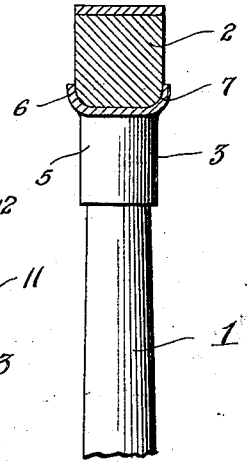
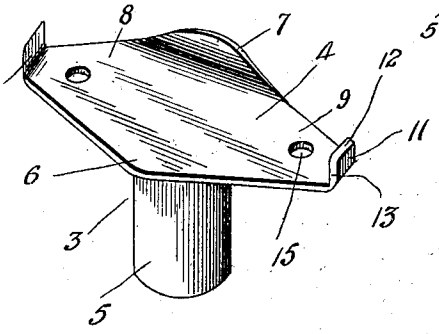


FIG. 5.



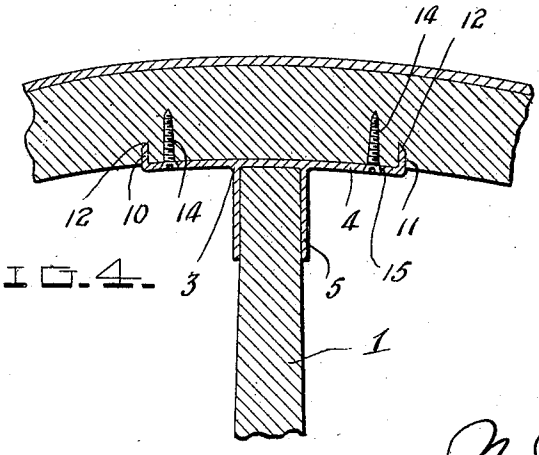


FIG. 4.

Witnesses
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NATHANIEL WESTLEY MAY, OF LITTLE SPRINGS, MISSISSIPPI, ASSIGNOR OF ONE-HALF TO JOHN M. MAY, OF BROOKHAVEN, MISSISSIPPI.

SPOKE-SOCKET.

No. 886,715. Specification of Letters Patent. Patented May 5, 1908.

Application filed July 31, 1907. Serial No. 386,430.

To all whom it may concern:

Be it known that I, NATHANIEL W. MAY, a citizen of the United States, residing at Little Springs, in the county of Franklin and State of Mississippi, have invented certain new and useful Improvements in Spoke-Sockets, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in spoke sockets and consists in the novel construction and the combination of parts hereinafter described and claimed.

The object of the invention is to provide a simple, inexpensive and practical device of this character by means of which a spoke may be quickly and effectively secured to the felly of a wheel by an unskilled person and by means of which a broken spoke may be readily repaired and attached to the felly.

The above and other objects are attained in the preferred embodiment of the invention illustrated in the accompanying drawings, in which

Figure 1 is a side elevation of my improved spoke socket showing it in use; Figs. 2 and 3 are transverse sectional views showing the manner in which the spoke socket is applied; Fig. 4 is a longitudinal sectional view and Fig. 5 is a perspective view of the device.

In the drawings 1 denotes the spoke, 2 the felly and 3 my improved spoke holder or socket. The device 3 comprises a plate 4 preferably of diamond shape from the bottom of which depends a centrally arranged cylindrical sleeve 5 to form a socket for the spoke. The plate 4 is adapted to be secured to the felly and its large angular corners 6, 7 arranged on the opposite sides of the socket 5 are adapted to be bent up against the side faces of the felly or rim 2 to form retaining lips, as clearly shown in Fig. 3. When the device is made, only the corner or lip 6 is bent up, the other corner 7 being left flat or in the plane of the body portion of the plate so as to permit of the ready application of the device, as will be seen upon reference to Fig. 2 and hereinafter described. The small angular corners or ends 8, 9 of the plate 4 are reduced and bent upwardly at right angles to provide broad transversely extending spurs 10, 11 which are adapted to be driven into the felly, as shown in Fig. 4. To facilitate the entrance of these spurs into the felly their outer ends are beveled or sharpened as at 12 and if desired, their side edges 13 toward the side of the plate containing the lip 7 may also be beveled or sharpened so that the device may be readily driven laterally into position between the felly and the end of the spoke as will be understood upon reference to Figs. 2 and 3. While the spurs 10, 11 and the lips 6, 7 will effectively unite the device or holder to the felly, I may further and more effectively attach plate 4 to the latter by screws 14 or bolts or similar fastening passed through apertures 15 formed in the ends 8, 9 of the plate, as will be readily understood.

In using the invention for attaching either a new or a broken spoke to the felly or rim of a wheel, the outer end of the spoke is slipped out from beneath the felly and the socket or sleeve 5 is applied to the spoke. The device or holder is then forced laterally beneath the felly and the spurs 10, 11 are driven into the latter, after which the lip 7 is bent up to its position shown in Fig. 3 and the screws, bolts or the like 14 are then passed through the apertures 15 and into or through the felly 2 and its rim.

From the foregoing it will be seen that the device is exceedingly simple and inexpensive in construction, that it may be quickly and easily applied to either new or old wheels and that it is exceedingly effective in accomplishing its purpose.

Having thus described my invention what I claim is:

1. A spoke socket or holder comprising a plate of substantially diamond shape having its broad angular side corners adapted to be bent up to form attaching lips to engage the sides of the felly and its small corners or ends bent up to provide spurs adapted to be driven into the felly, said plate being also formed with fastening receiving apertures adjacent to its ends, and a sleeve projecting from the outer side of the plate and adapted to form a socket for the spoke, substantially as described.

2. A spoke socket or holder comprising a substantially diamond-shaped plate adapted to have its angular sides bent up to form at-

taching lips to engage the sides of the felly and its angular ends bent up at right angles and having beveled edges whereby they may be readily driven into the felly and a sleeve depending from the plate and adapted to form a socket to receive the spoke, substantially as described.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

NATHANIEL WESTLEY MAY.

Witnesses:
F. H. HOFFMAN,
I. M. LAIRD.