(No Model.)

W. C. WILLIAMSON.

SPOKE SOCKET.

No. 345,015. Patented July 6, 1886.

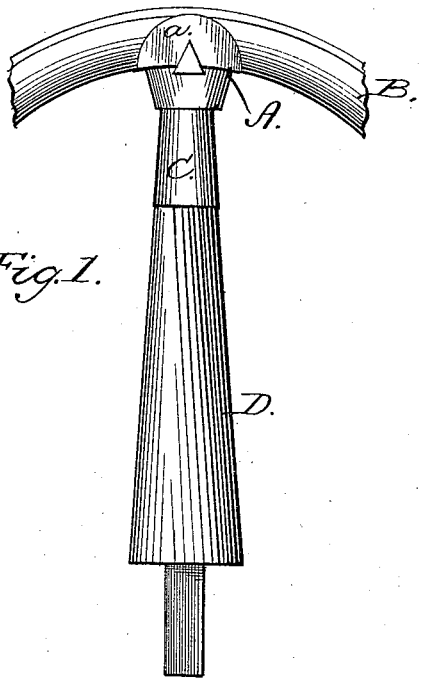


Fig. 1.

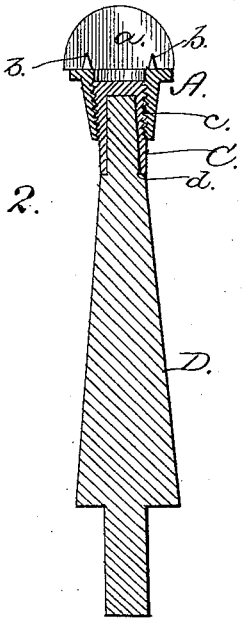
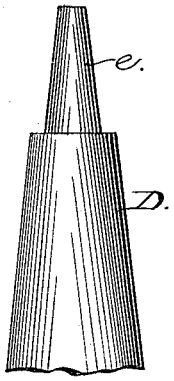


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM C. WILLIAMSON, OF BLACKVILLE, SOUTH CAROLINA.

SPOKE-SOCKET.

SPECIFICATION forming part of Letters Patent No. 345,015, dated July 6, 1886.

Application filed November 23, 1885. Serial No. 183,678. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. WILLIAMSON, of Blackville, in the county of Barnwell and State of South Carolina, have invented certain new and useful Improvements in Spokes and Fellies; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in vehicle-wheels, the object being to provide an improved construction, whereby the spokes of the wheel may be readily tightened or loosened in the most convenient and simple manner; and my invention consists, essentially, of the details of construction and general arrangement of parts, all as will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of my improvements; Fig. 2 a vertical longitudinal section, and Fig. 3 a detail view thereof.

Similar letters of reference occurring on the several figures indicate like parts.

Referring to the drawings, A represents a metallic clip having side flanges, *a*, for the reception between the same of the felly B, suitable penetrating-points, *b*, being provided upon the lower inner face of the said clip, to project into the under surface of the felly to hold it in place between said flanges, as fully shown in Fig. 2. The lower portion of the said clip is rounded and tapering, and has a central vertical opening through the same provided with screw-threads *c*, for the reception of the screw-threaded end of a hollow thimble or sleeve, C. This sleeve or thimble is open at the bottom and closed at the top, and is adapted to receive the outer end of the spoke D, which fits loosely within the cylindrical recess *d* of the said sleeve, as fully shown in Fig. 2. The outer end of the spoke D is cylindrical in shape for a portion of its length, and is provided with a metallic shield, *e*, covering said cylindrical end, as fully shown in Fig. 3.

In the operation of my invention each of the spokes of the wheel are formed as above described, and provided with the cylindrical end working in the sleeve or thimble C, which in its turn is screwed into the metallic clip A, inclosing the rim of the wheel. Should any one of the spokes become loose or shaky at any time, a few turns of the sleeve or thimble in a given direction causes the said spoke to be forced inward against the hub, thereby tightening the same. Should the spoke be held too tightly, a reverse motion to that above described should be given to the sleeve or thimble C.

By means of my improvements each spoke can be so adjusted as to give an equal bearing upon the circumference of the rim of the wheel, and the slightest variance of one or more spokes may be readily corrected by turning the sleeves or thimbles in the proper direction.

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

In a vehicle-wheel, a metallic spoke-clip, A, having beveled and semicircular outward side flanges, *a*, and central inclined projecting points, *b*, between said flanges, the base of said clip being hollow and internally screw-threaded, with outer face beveled, in combination with an outwardly-screw-threaded spoke-thimble, substantially as shown and described.

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

W. C. WILLIAMSON.

Witnesses:
C. M. DEWITT,
C. L. BUIST.