

(No Model.)

J. S. SHINN.

Combined Spoke Socket and Felly Plate.

No. 239,861.

Patented April 5, 1881.

Fig. 1.

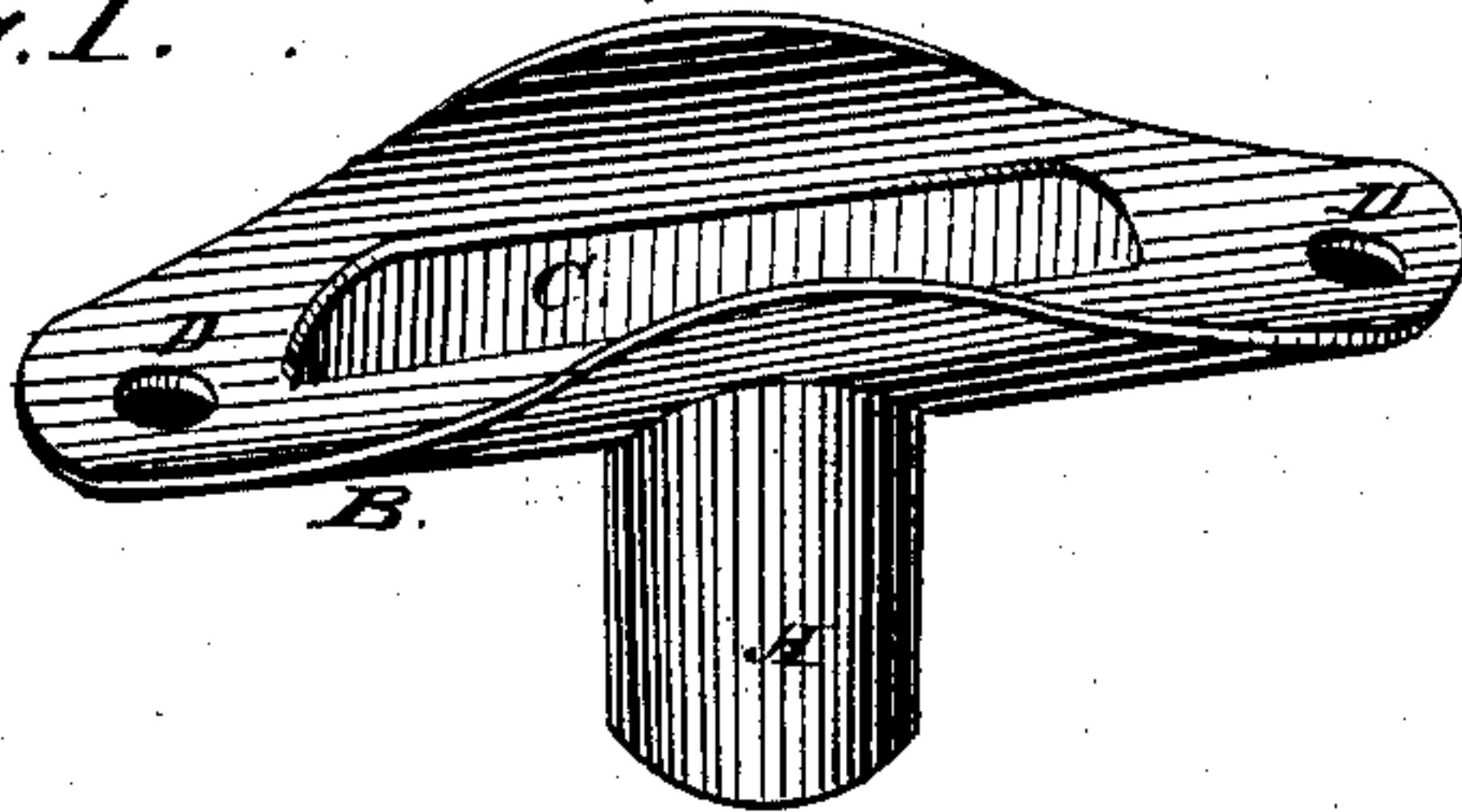


Fig. 2.

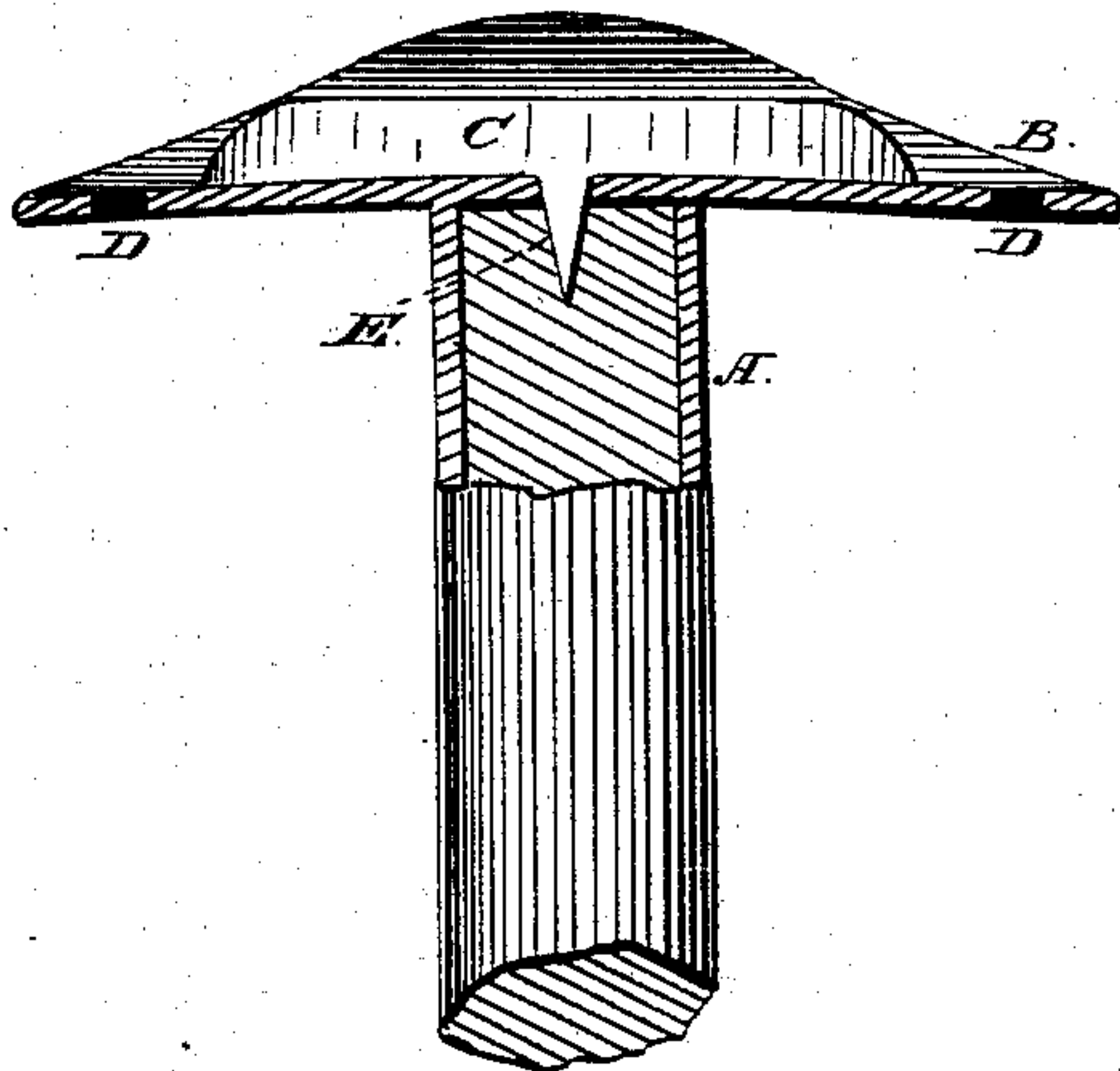
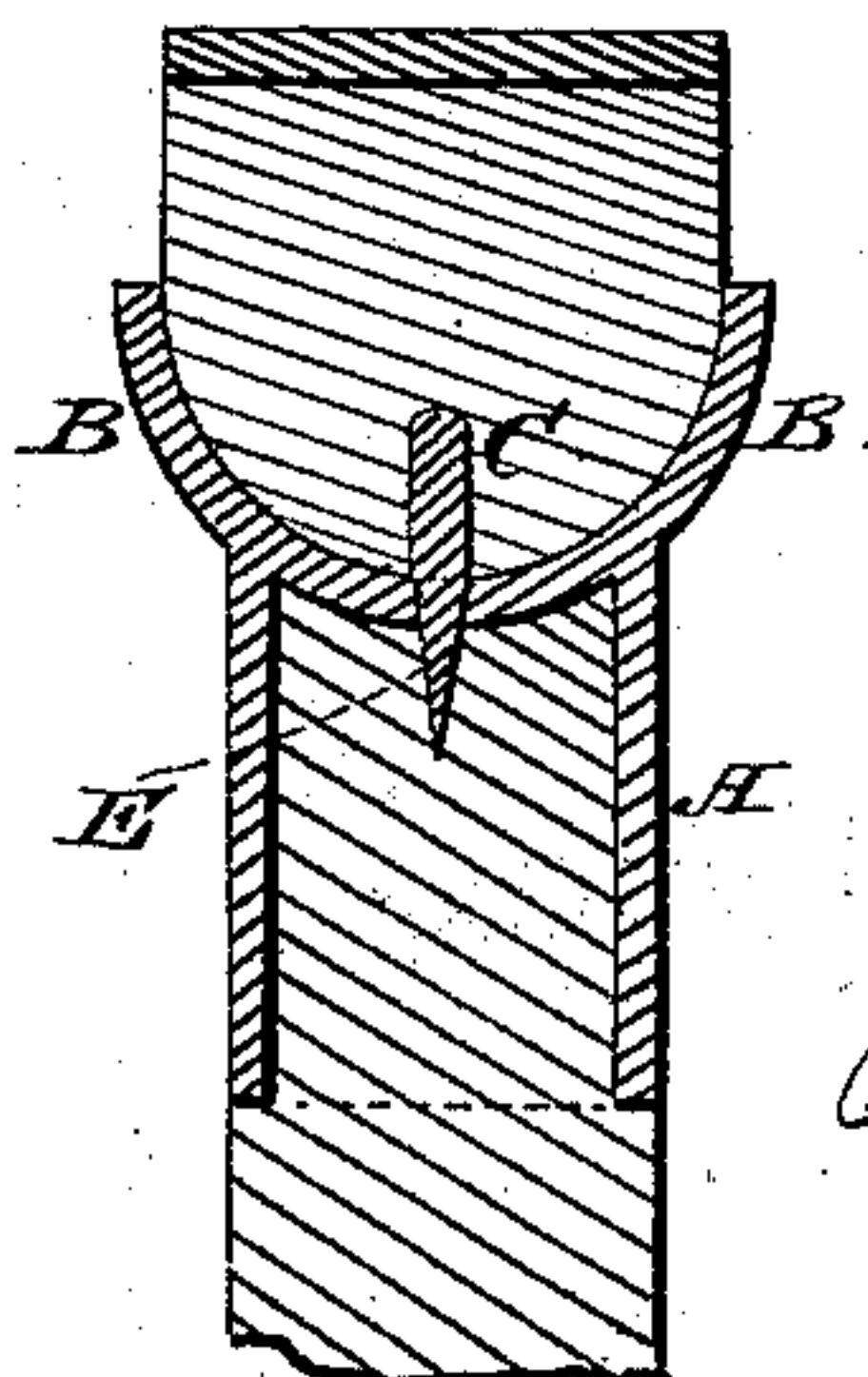


Fig. 3.



Witnesses:

Edw. F. Dietrich

J. R. Little

Inventor:

James S. Shinn,

by Edward Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES S. SHINN, OF ATLANTIC CITY, NEW JERSEY.

COMBINED SPOKE-SOCKET AND FELLY-PLATE.

SPECIFICATION forming part of Letters Patent No. 239,861, dated April 5, 1881.

Application filed February 2, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES S. SHINN, of Atlantic City, in the county of Atlantic and State of New Jersey, have invented certain new and useful Improvements in Combined Spoke-Sockets and Felly-Plates; 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, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a longitudinal sectional view, and Fig. 3 is a vertical cross-section.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved combined spoke-socket and felly-plate, the construction of which will be hereinafter more fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the spoke-socket, which consists of a cylindrical thimble, upon the end of which the felly-plate B is formed or secured in any suitable manner. The felly-plate, which is curved in the usual manner so as to fit upon the inside of the fellies, is provided with a centrally-located longitudinal tongue or flange, C, and its ends are perforated at D to admit the screws or bolts by which it is secured to the ends of adjoining fellies. A stud or point, E, which may be wedge-shaped, projects from the under

side of the felly-plate down into the spoke-socket, for the purpose of better securing the spoke.

In practice the ends of the fellies are joined directly at the ends of the spokes, instead of between them, as is now usually the case. The felly-plate serves to connect the joints, and the longitudinal tongue or flange C takes the place of the dowel now generally used, and prevents lateral displacement of the fellies. The socket or thimble A, which is driven upon the end of the spoke, prevents splitting, and the stud or wedge E serves to hold the parts firmly and securely together.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The socket A, having plate B, provided with a longitudinal tongue or flange, C, substantially as and for the purpose herein set forth.

2. The herein-described improved combined spoke-socket and felly-plate, consisting of the socket A, having plate B, provided with a longitudinal tongue or flange, C, and stud E, projecting downwardly into said socket, substantially as and for the purpose set forth.

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

JAMES S. SHINN.

Witnesses:

JOS. H. SHINN,
WM. R. MOORE.