

L. D. FLANDERS.  
SPOKE SOCKET AND FELLY CLAMP.

No. 41,370.

Patented Jan. 26, 1864.

Fig. 2.

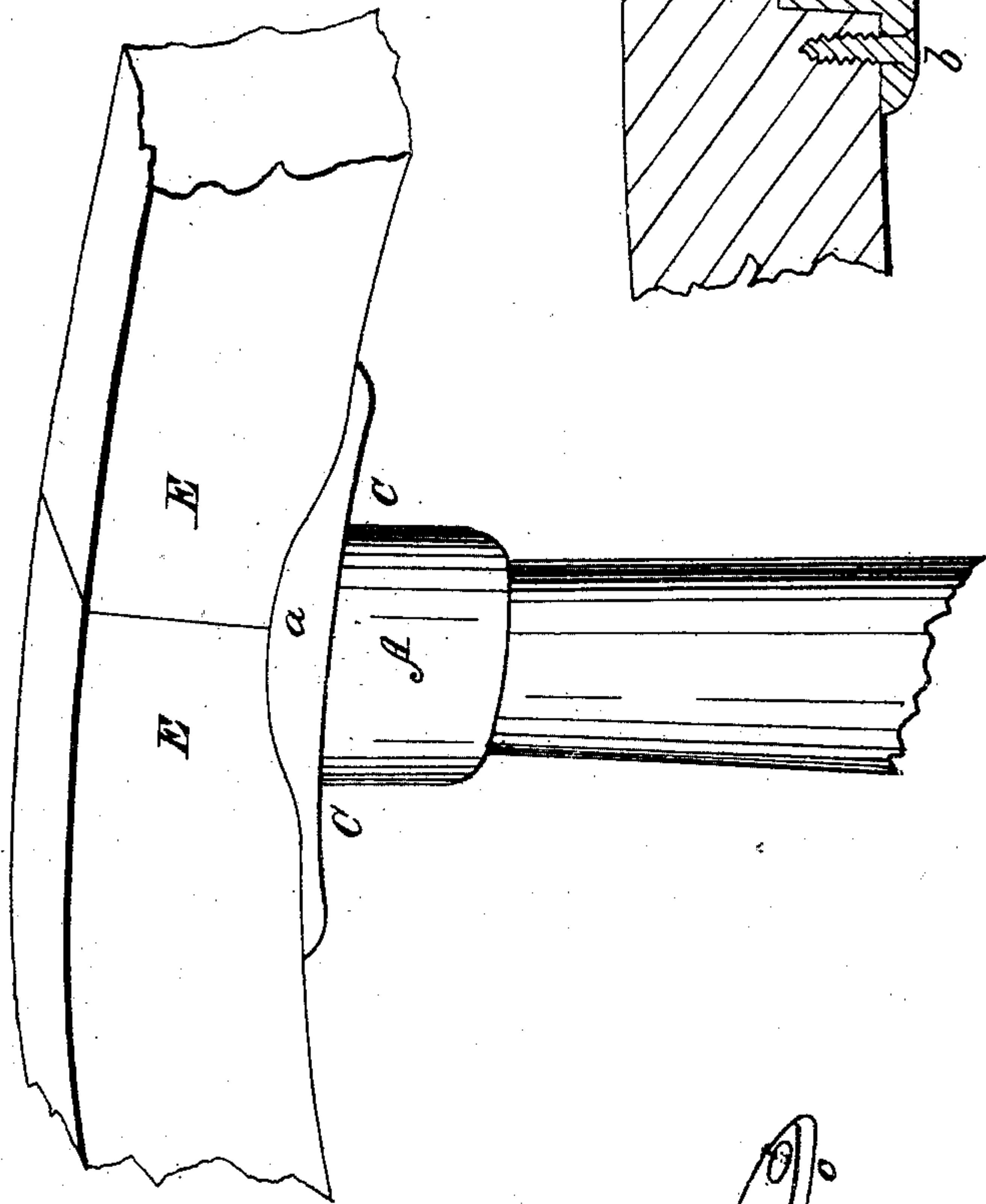


Fig. 3.

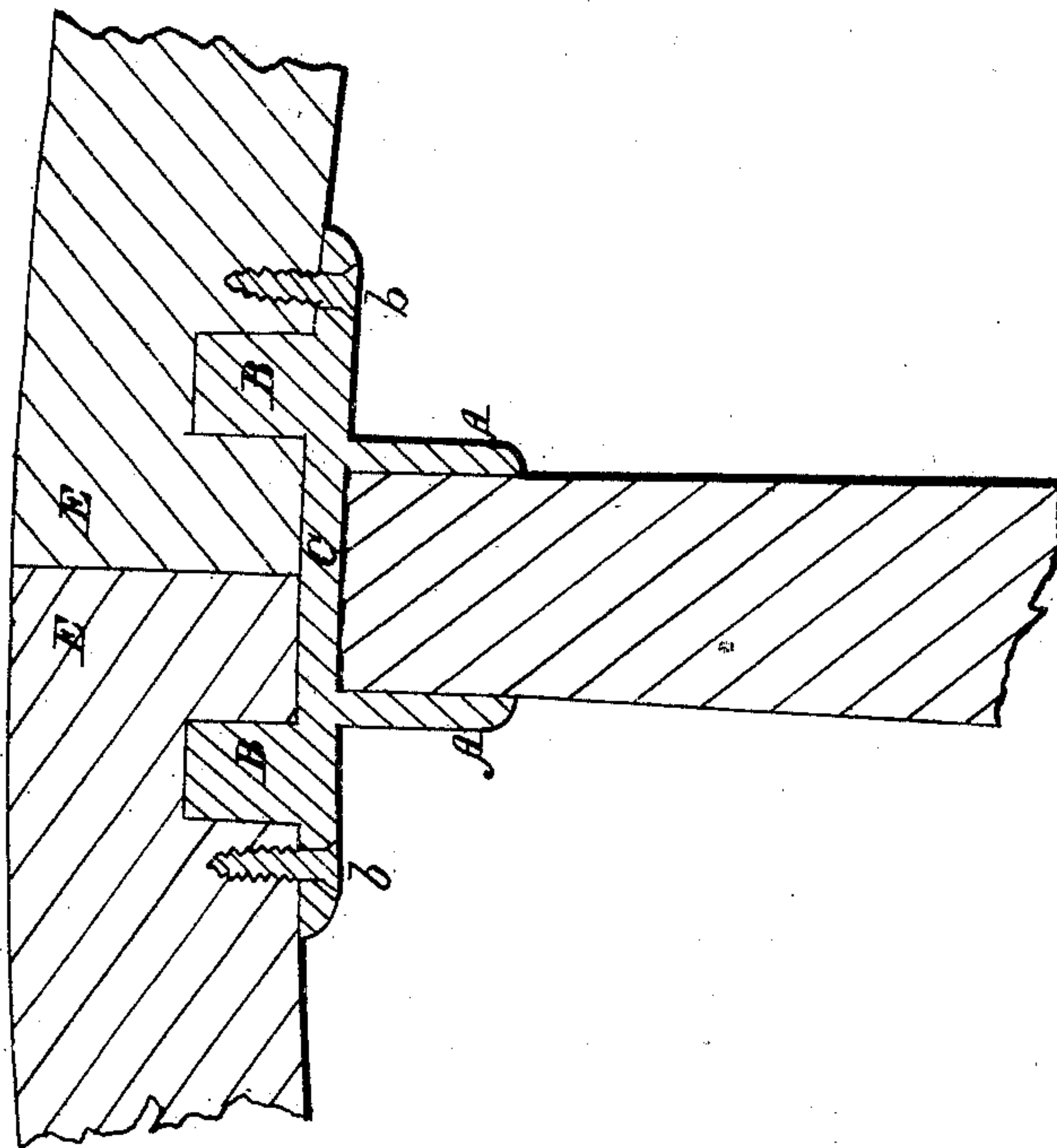
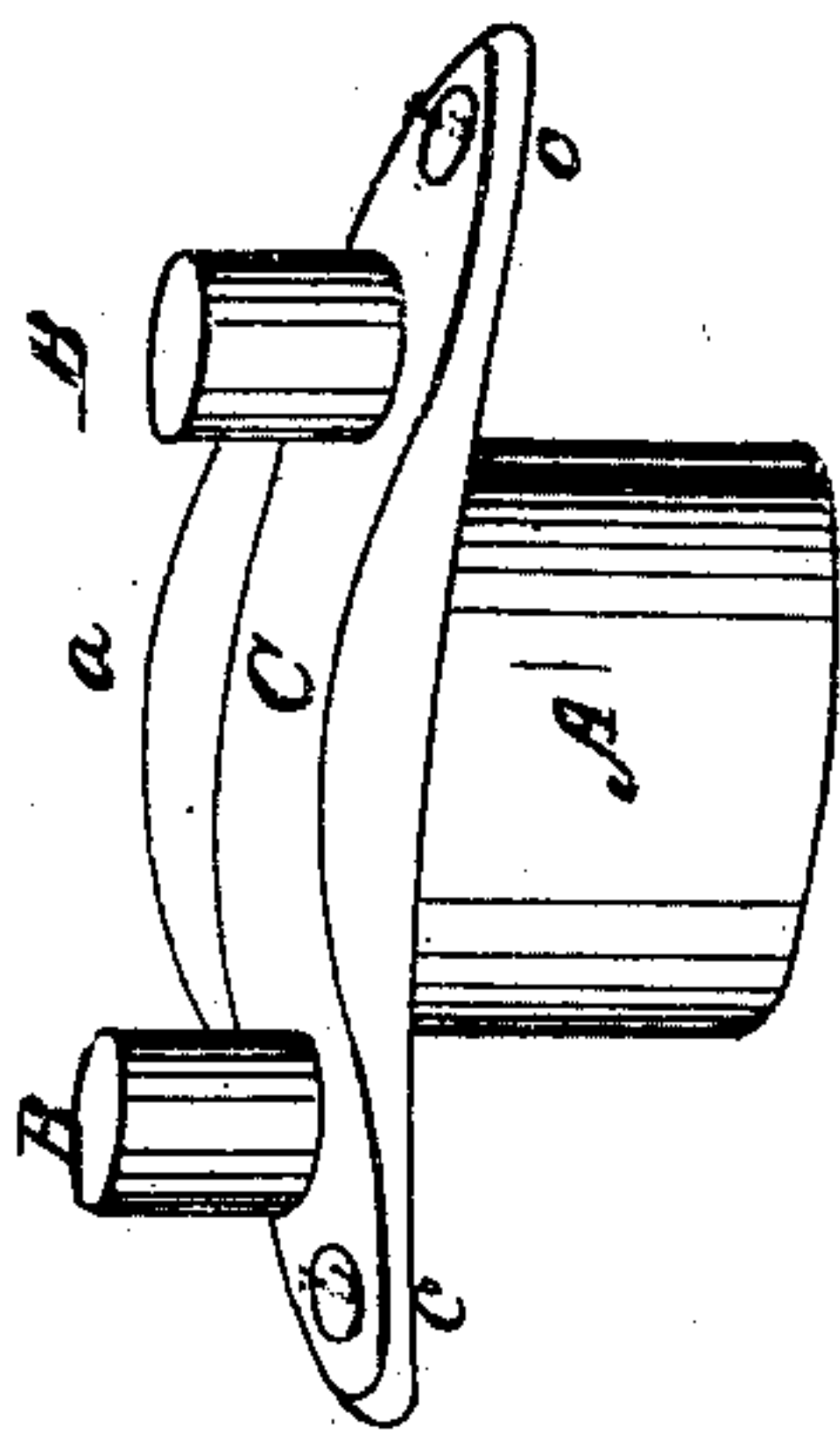


Fig. 1



Witnesses,

W. H. Burridge  
J. S. Willard

Inventor,

L. D. Flanders

# UNITED STATES PATENT OFFICE.

L. D. FLANDERS, OF CLEVELAND, OHIO.

## IMPROVEMENT IN SPOKE-SOCKETS AND FELLY-CLAMPS.

Specification forming part of Letters Patent No. 41,370, dated January 26, 1864.

*To all whom it may concern:*

Be it known that I, L. D. FLANDERS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Spoke-Sockets and Felly-Clamps for Carriage-Wheels; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a side view, and Fig. 3 is a longitudinal vertical section.

Like letters refer to like parts.

Figs. 2 and 3 represent the joining ends of the felly and spoke in place.

In the several views, A represents the socket for the end of the spoke. This is of sufficient size to receive the whole diameter of the spoke, as shown in Figs. 2 and 3. This socket is joined to and forms part of the plate C, which fits closely to the inside of the felly E, having the proper curvature therefor. The plate C extends along the inside of the felly an inch or more from the socket A upon each side, and is provided with two lugs or tenons, B B, which fit accurately holes bored upon the inner side of the felly to receive them. There is also upon each edge of the plate C flanges a a, which rise on each side of the joined ends

of the felly or to other portions, which give additional strength and security to the structure. The clamp and socket is secured to the felly by means of the screws b b, passing the holes c c in the plate C and entering the felly, as seen in Fig. 3; or they may be secured to the felly by means of bolts passing entirely through the felly, the head being countersunk upon the outside. At those parts of the felly that are entire but one lug B will be needed, and in that case it may be placed in the center, and the ends extended out a less distance from the socket A. The socket A, into which the end of the spoke is inserted, keeps the spoke firmly in place, and the bottom of this socket, being composed of the plate C, prevents the spoke from being crowded into the wood of the felly in setting the tire. This structure is intended to be made of cast metal. Any suitable kind may be used.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The plate C, socket A, lugs B B, and lips a a, all cast in one piece and secured to the felly by means of the screws b b, substantially as and for the purpose specified.

L. D. FLANDERS.

Witnesses:

W. H. BURRIDGE,  
W. H. WILLARD.