

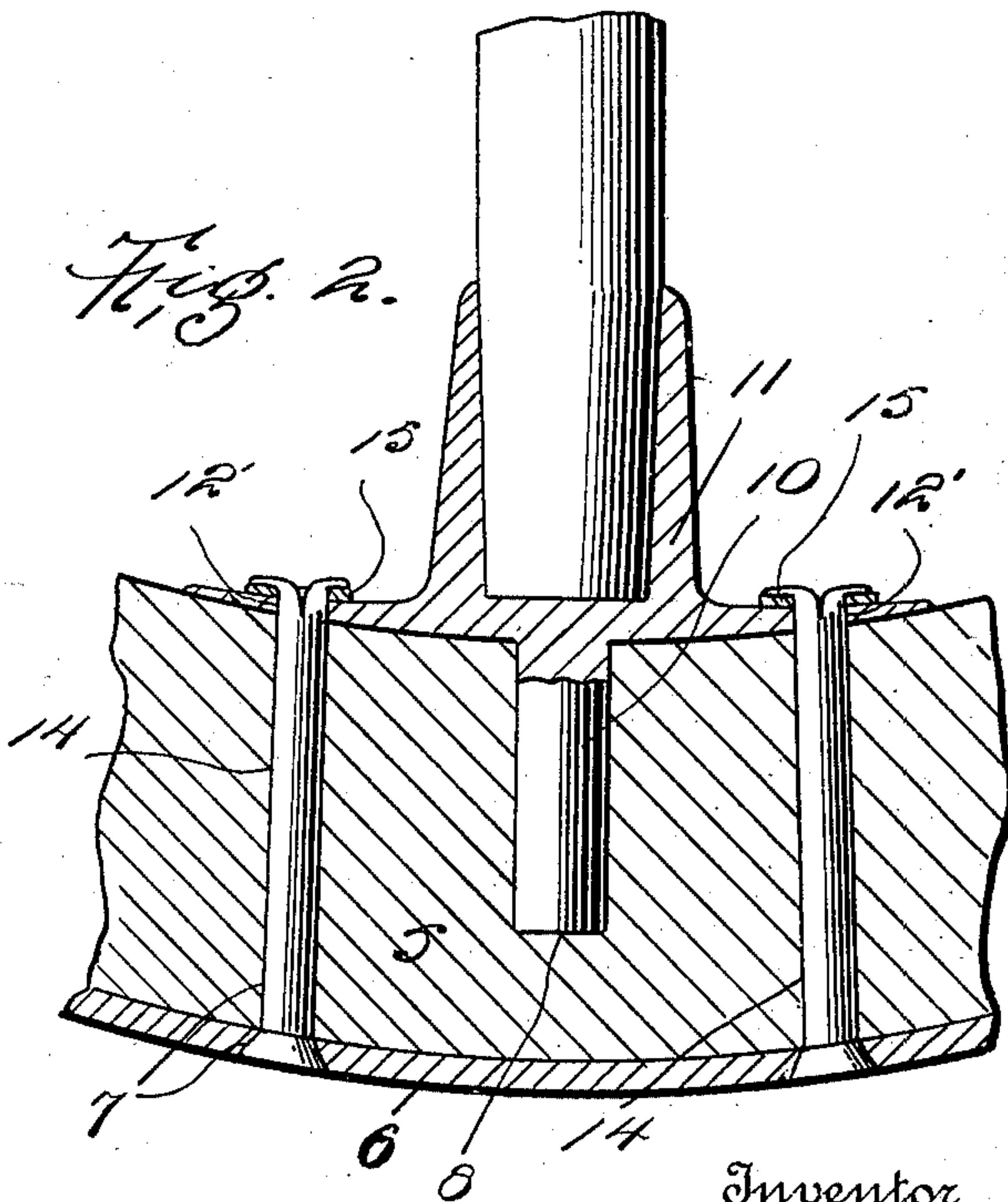
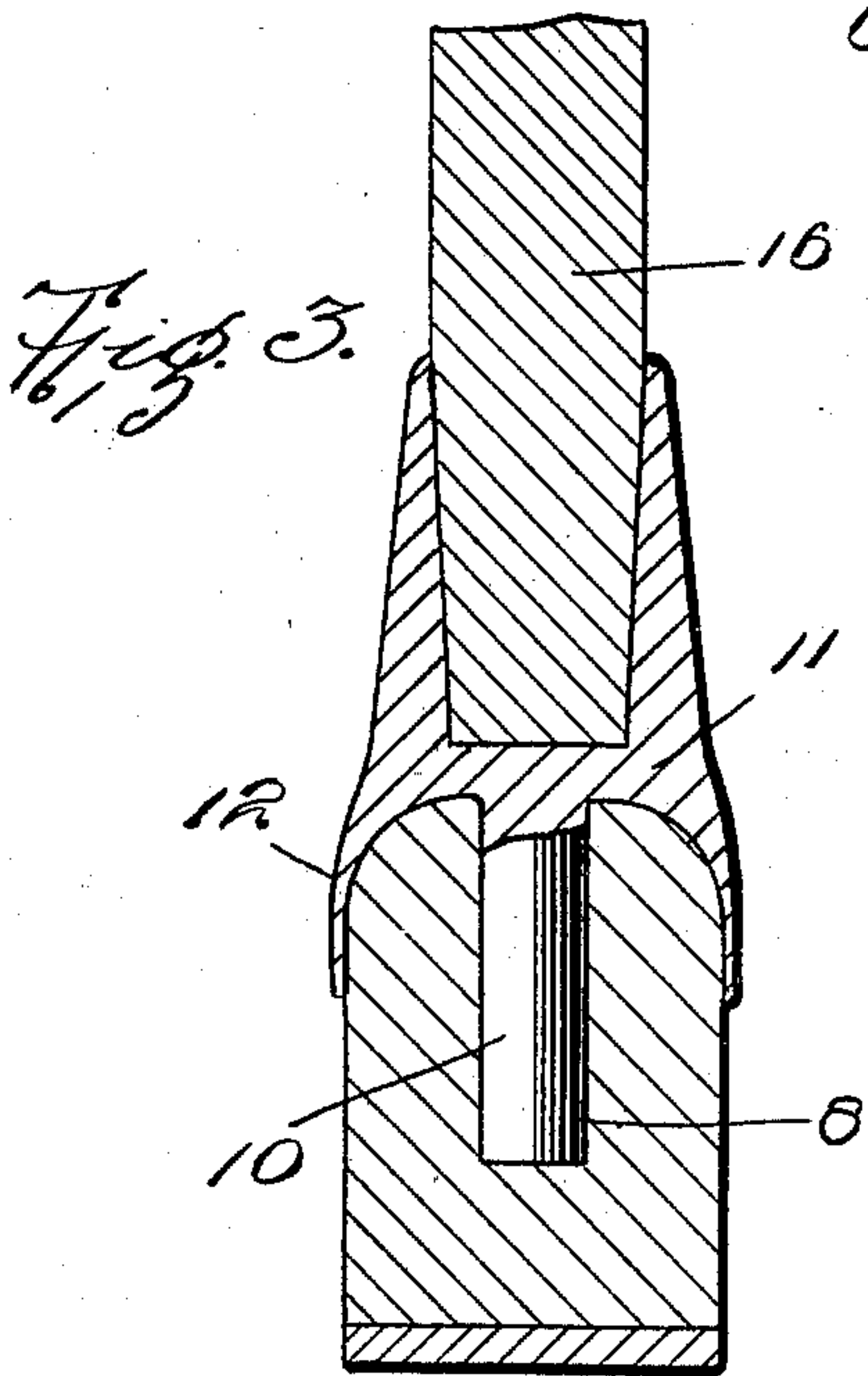
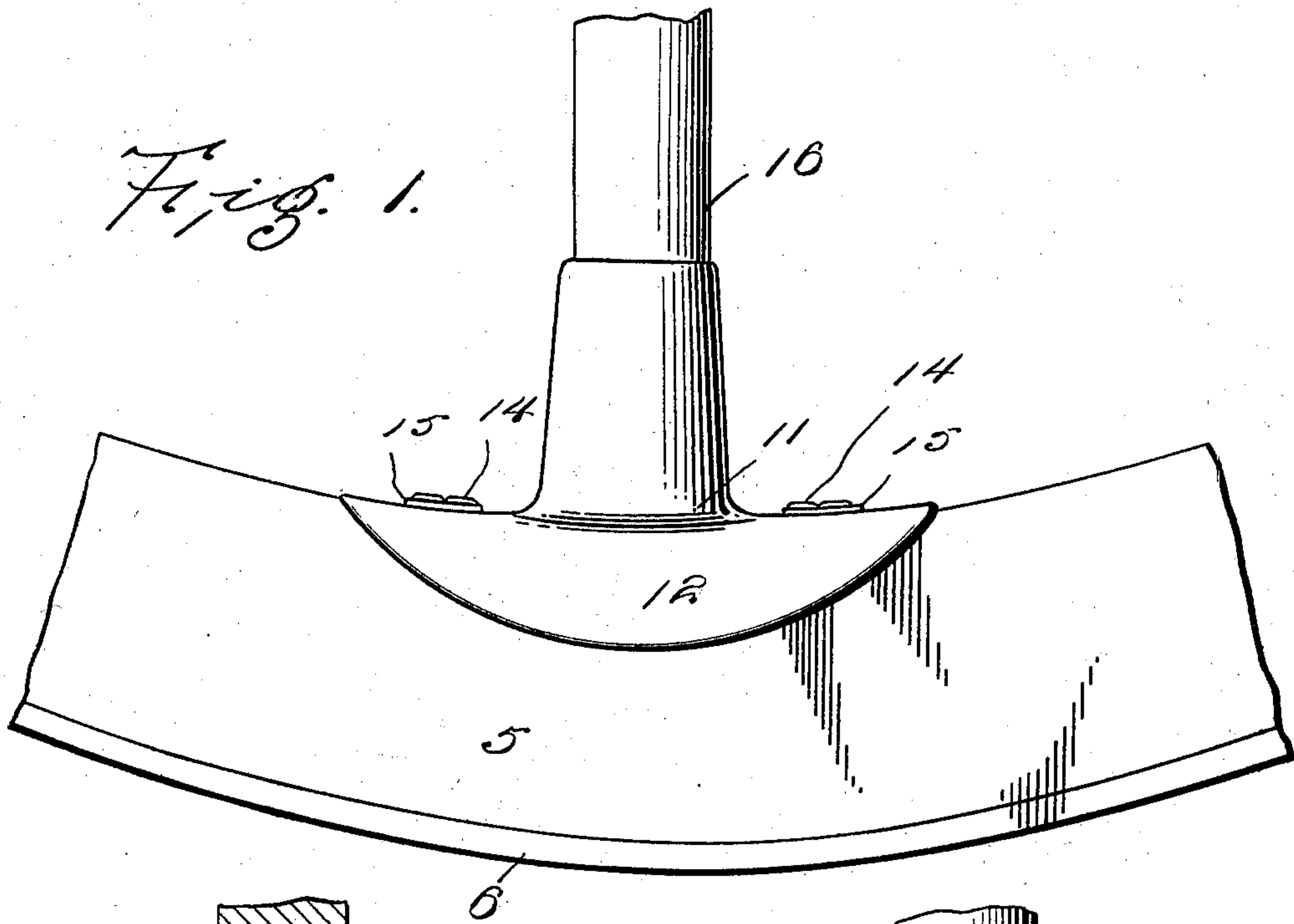
No. 757,047.

PATENTED APR. 12, 1904.

G. W. MALONEY.  
SPOKE SOCKET.

APPLICATION FILED NOV. 24, 1903.

NO MODEL.



Witnesses  
Ambler  
F. C. Jones

Inventor  
G. W. Maloney,  
By  
~~Charles J. Chandler~~  
Attorneys.

## UNITED STATES PATENT OFFICE.

GEORGE W. MALONEY, OF BARR, COLORADO.

## SPOKE-SOCKET.

SPECIFICATION forming part of Letters Patent No. 757,047, dated April 12, 1904.

Application filed November 24, 1903. Serial No. 182,484. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. MALONEY, a citizen of the United States, residing at Barr, in the county of Adams, State of Colorado, have invented certain new and useful Improvements in Spoke-Sockets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to vehicle-wheels, and more particularly to the means for securing the spokes to the felly of the wheel, the object of the invention being to provide a socket for each spoke in which the spoke will be firmly held in such manner as to prevent slipping and splitting, and, furthermore, to provide means for holding the socket to the felly so as to prevent displacement therefrom in all directions.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation showing a portion of the felly of a wheel having a spoke connected thereto with the present invention. Fig. 2 is a vertical section through the parts illustrated in Fig. 1. Fig. 3 is a vertical section at right angles to the section shown in Fig. 2.

Referring now to the drawings, there is shown a portion of a vehicle-wheel, including a felly 5, upon which is disposed a tire 6, the felly and tire being perforated, as shown at 7, to receive tire-bolts, as hereinafter described.

In the inner face of the felly 5 there is formed a recess 8, corresponding to each spoke of the wheel, said recesses being designed for engagement by the pin 10, which projects from the lower or closed end of the tubular body portion 11 of the spoke-socket. The body portion 11 is formed integral with a clip 12, which is rounded to fit down part way over the sides of the felly and over the inner edge of the lat-

ter at both sides of the tubular body portion, this clip having a perforation 12', at each side of the body portion, these perforations 12', alining with the perforations through the felly and tire above referred to to receive securing-bolts 14, the heads of which engage in the countersunk perforations of the tire, while the opposite ends thereof, which are split, project through the clip and have engaged upon them washers 15. The upper ends of these bolts or rivets are riveted upon the washers and serve to hold the parts securely together.

The body portion of the spoke-socket above referred to has its interior diameter gradually decreased in the direction of its lower end or is tapered, and the spoke 16 is correspondingly tapered and forced into the body portion, the result being a structure which insures against splitting of both the felly and spokes and which prevents displacement of any of the parts in any direction.

What is claimed is—

In a wheel, the combination with a felly, having recesses in its inner face and a perforation at each side of each recess, of sockets comprising each a tubular body portion, a clip at the base of the body portion fitted against the inner face and the side faces of the felly and having perforations alining with the adjacent perforations of the felly, said sockets including also each a pin projecting from the lower end of the body portion and engaging a recess of the felly, bolts passed inwardly through the tire, the felly and clips and having their inner ends split, and washers disposed upon the bolts against the felly and against which the bolts are riveted.

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

GEORGE W. MALONEY.

Witnesses:

GEO. R. LEE,  
MARY E. LEE.