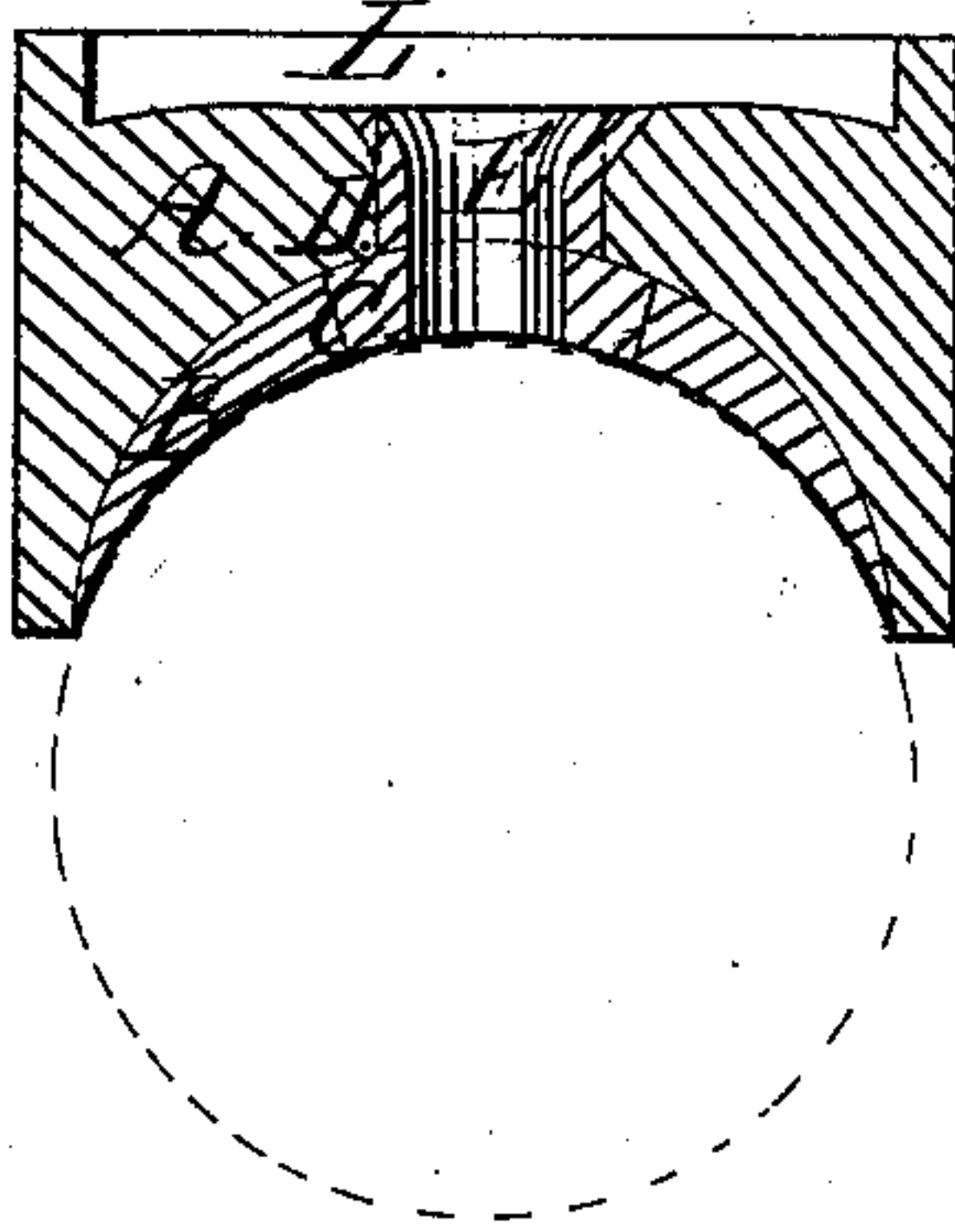


*J. T. Robinett,*  
*Journal Box.*

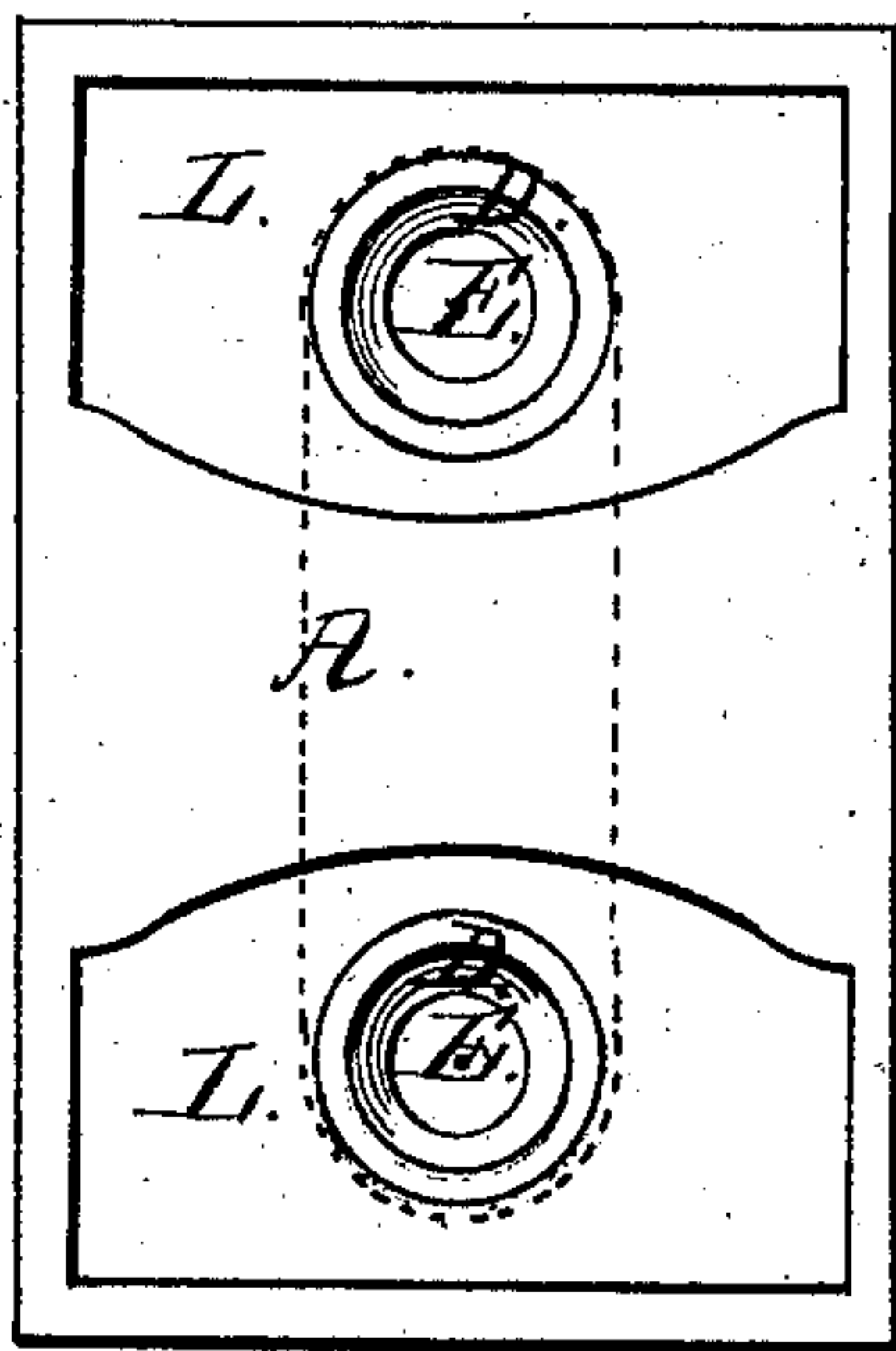
*N<sup>o</sup> 78,832.*

*Patented June 9, 1868.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Edmund C. Ellsworth.*  
*John C. Hemmell.*

*Inventor:*  
*James Robinett.*  
*By: [Signature] Atty.*

# United States Patent Office.

JAMES T. ROBINETT, OF PETERSBURG, VIRGINIA, ASSIGNOR TO HIMSELF  
AND G. W. GOODWYN, OF SAME PLACE.

*Letters Patent No. 78,832, dated June 9, 1868.*

## IMPROVEMENT IN JOURNAL-BOX.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES T. ROBINETT, of Petersburg, in the county of Dinwiddie, and State of Virginia, have invented a new and improved Journal-Box; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a cross-section.

Figure 2 is a top view.

This invention relates to an improvement in that class of bearing-pieces employed in car-axle boxes, or other bearings for any machinery, in which the body of the bearing-piece is of iron, the main portion of the convex surface being of Babbit or any anti-friction metal, and the central portion being of brass.

The improvement consists in a new method of attaching the brass central plate to the iron body of the bearing-piece, whereby the former will be more securely held in position, and prevented from working out or being thrown out by any accident.

In the drawings, A represents the iron, brass, or composition body of the bearing-piece, B being the concave bearing-surface, of Babbit, or other anti-friction metal, attached thereto in the usual manner, and C being the central plate, of brass, shown in section in fig. 1, and in outline by the dotted lines of fig. 2.

This plate is provided at or near each end with a boss or teat, D, which extends through the iron-piece, A, and is provided with a longitudinal channel or opening, E, the inner end of which communicates with the surface of the axle, while the outer end communicates with the reservoirs of lubricating-material, L L, above the bearing-piece.

As thus far described, I am aware that this same construction has heretofore been employed for a similar purpose.

My improvement consists in the method by which I fix the plate, D, to the iron, brass, or other composition piece A, in order to prevent them from becoming detached, as above set forth. To this end, I cast the sockets in the iron piece which receive the teats, D D, with expanded or funnel-form extremities, on the rear or upper side of the iron piece, A, and, after inserting the brass plate in its place, the teats entering the sockets provided for them, and their ends coming to the rear edge of the part A, or to the bottom of the reservoir L, I "upset" the upper end of the teats, or press them outward against the expanded wall of the socket, imparting permanently to the teats a funnel-shape, as seen in figs. 1 and 2, and confining them securely in their place.

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

The method of attaching the brass plate C to the iron piece A, as herein set forth.

JAS. T. ROBINETT.

Witnesses:

W. D. McCRAW,

N. W. NORSWORTHY.