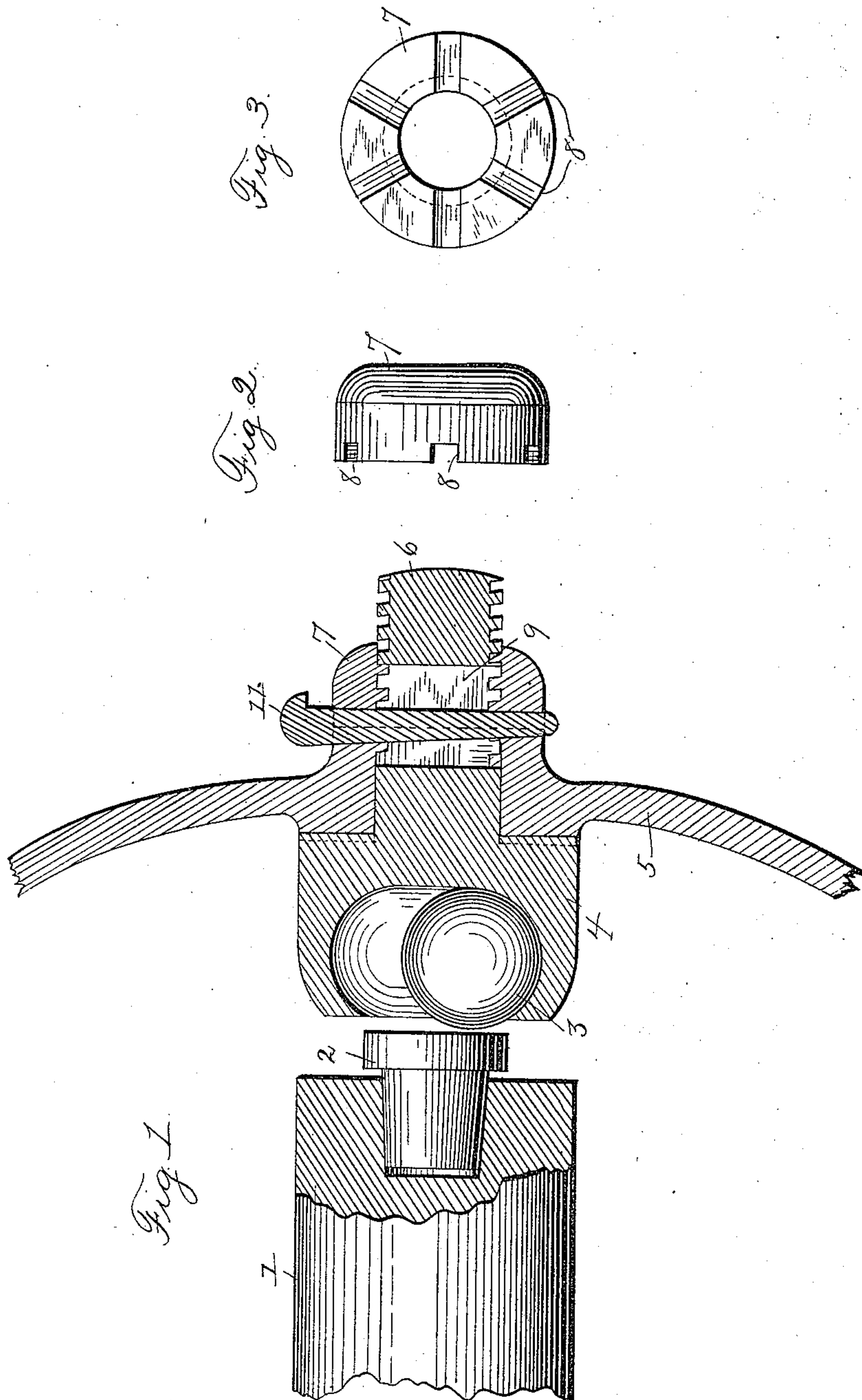


(No Model.)

W. S. SHARPNECK.
JOURNAL BOX.

No. 442,831.

Patented Dec. 16. 1890.



Witnesses
Thos. E. Robertson
Francis A. White

Inventor
William S. Sharpneck
By T. J. W. Robertson
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM S. SHARPNECK, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO THE SHARPNECK ANTI-FRICTION JOURNAL BOX COMPANY, OF SAME PLACE.

JOURNAL-BOX.

SPECIFICATION forming part of Letters Patent No. 442,831, dated December 16, 1890.

Application filed May 6, 1890. Serial No. 350,776. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. SHARPNECK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Journal-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This improvement is designed more particularly for journal-boxes such as are shown in my patent, No. 392,465, dated November 6, 1888; and the invention consists in the peculiar construction, arrangement, and combination of parts hereinafter more particularly described and then definitely claimed.

15 In the accompanying drawings, Figure 1 represents a vertical central section of my improvement; Fig. 2, an elevation of a nut used therein. Fig. 3 is a face view of the same nut.

20 Referring now to the details of the drawings by letter, 1 represents the end of a car-axle, preferably provided with a removable wearing-plug 2. Opposite this plug is a ball 3, which runs in a recess in a plug 4, which sets in an aperture in the front of the casing 5, which casing is intended to be secured in position in any suitable manner. This plug 4 has a threaded shank 6, on which is screwed a nut 30 7, having grooves 8 cut in its face, as shown clearly in Figs. 2 and 3. Through the center of the plug is cut a keyway 9, through which, the grooves 8, and a corresponding groove 10,

cut in the face of the casing, a key 11 is passed, as shown in Fig. 1.

35 The operation is as follows: As ordinarily used, when the journal-box is first put into use, the parts are arranged as shown in Fig. 1; but in course of time when the parts begin to show signs of wear it becomes necessary to set the ball 3 closer to the bearing-piece 2. To do this, the plug, key, and nut 40 are removed and a liner (indicated in dotted lines) is set between the head of the plug 4 and the casing 5. The nut is then screwed 45 home and the key inserted in the aperture formed by the grooves 8 and 10 and through the keyway 9 in the shank of the plug. By this means a perfect adjustment of the relative position of the ball and bearing-piece 50 may be readily obtained by a device that is cheaply made, yet strong and not liable to get out of order.

What I claim as new is—

55 The combination, with the nut 7 and casing 5, grooved as described, of the key 11 and headed and threaded plug 4, having a keyway 9, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 5th day of 60 May, 1890.

WILLIAM S. SHARPNECK.

Witnesses:

T. J. W. ROBERTSON,
FRANCIS W. WHITE.