J. A. ALTHOUSE.

Journal-Boxes.

No. 139,287. Patented May 27, 1873.

Fig. 1

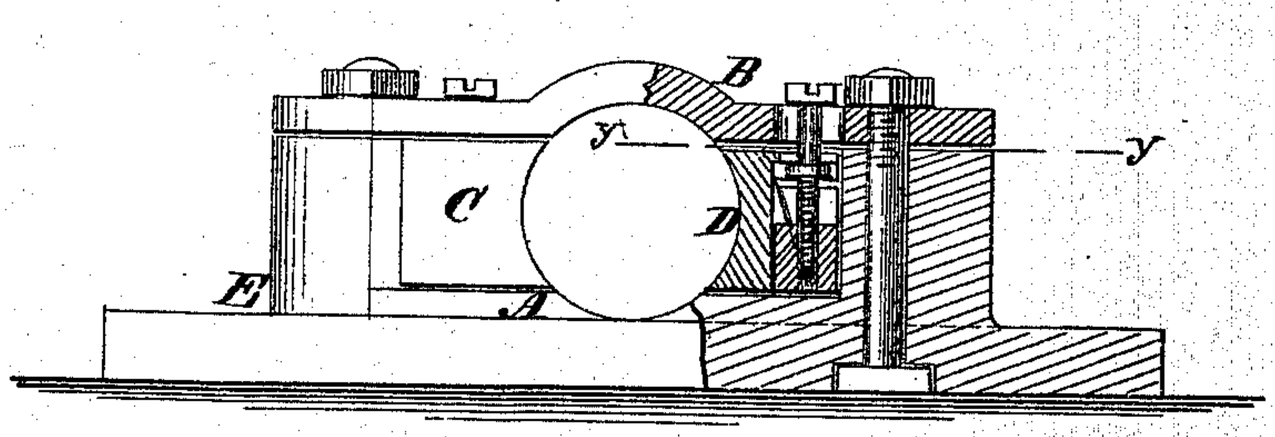


Fig. 3

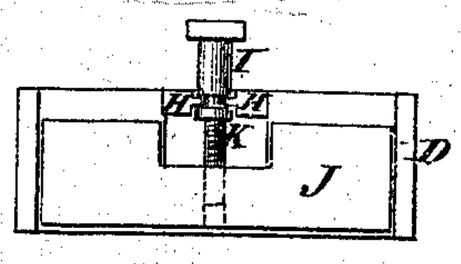


Fig. 4.

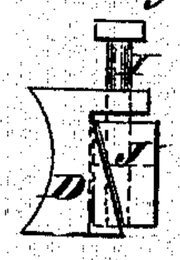
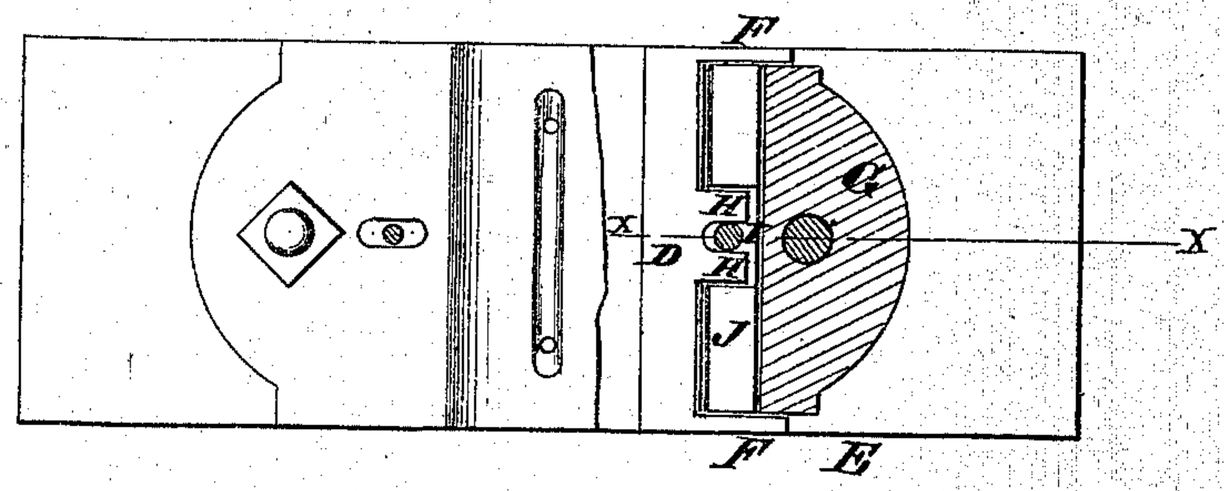


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN A. ALTHOUSE, OF NEW HARMONY, INDIANA.

IMPROVEMENT IN JOURNAL-BOXES.

Specification forming part of Letters Patent No. **139,287**, dated May 27, 1873; application filed February 15, 1873.

To all whom it may concern:

Be it known that I, JOHN A. ALTHOUSE, of New Harmony, in the county of Posey and State of Indiana, have invented a new and useful Improvement in Journal-Boxes, of which the following is a specification:

This invention relates to the construction of journal-boxes for shafting and similar purposes; and consists in the mode of tightening the box to the journal when, from wear or other cause, it has become loose.

Figure 1 is a sectional side view of the box, the section being on the line *x x* of Fig. 2. Fig. 2 is a sectional top view, the section being taken on the line *y y* of Fig. 1. Fig. 3 is a view of the back side of one of the adjustable sections of the box. Fig. 4 is an end view of the same.

Similar letters of reference indicate corresponding parts.

This journal-box consists of the base A, the cap B, and two adjustable side sections C and D. The base A may be the plate of the pillow-block E, as seen, or it may be a separate plate. The cap B fits onto the top of the pillow-block and journal in the ordinary manner. The adjustable side sections C and D are made with the back of each section recessed or cut away, as seen in Fig. 2, with flanges F F, which fit onto the ends G of the pillow-block, and with the projecting lips H H, which inclose and hold the adjusting-screw I. The back side of the section is cut on an incline. J is a movable block, with inclined face, to which the adjusting-screw I is attached. K is a collar on the screw. The block J is allowed play up and down; and the inclined surfaces of the section and block being reversed and placed in contact with each other, and the screw stationary longitudinally, it will be seen that, as the screw is turned, the block will be moved up or down, according to the direction the screw is turned, and will act as a wedge. In this case, the section is forced toward the journal when the block is forced down. These side sections cover each about one-third of the diameter of the journal, and receive the side thrust caused by horizontal belts from the shaft or other side pressure on the journal. The adjusting-screws I extend up through the cap of the box, as seen in Fig. 1, so that the sections can be set up to the journal and take up any play while the journal is in motion, if desired. The resistance of the movable blocks is against the vertical ends G G of the pillow-block, which ends are stationary. By this arrangement the box is made to fit the journal at all times in the most simple and effective manner.

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

The sides C D, provided with flanges F F, lips H H, and inclined edges, combined with screw I, inclined blocks J, and pillow-block G, as and for the purpose described.

J. A. ALTHOUSE.

Witnesses:

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