

No. 675,411.

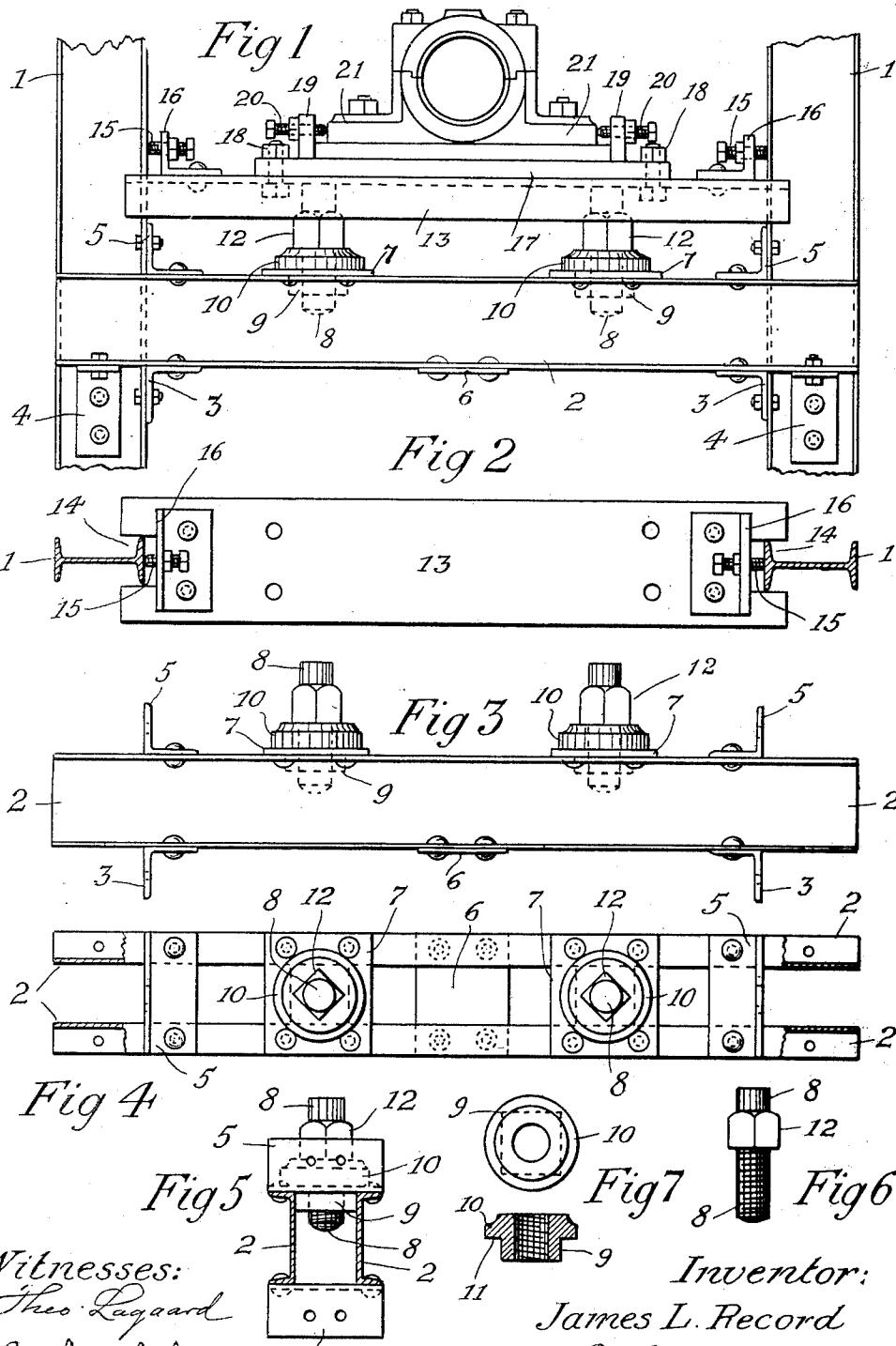
Patented June 4, 1901.

J. L. RECORD.

ADJUSTABLE SUPPORT FOR JOURNAL BOXES.

(Application filed Jan. 21, 1901.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES L. RECORD, OF MINNEAPOLIS, MINNESOTA.

ADJUSTABLE SUPPORT FOR JOURNAL-BOXES.

SPECIFICATION forming part of Letters Patent No. 675,411, dated June 4, 1901.

Application filed January 21, 1901. Serial No. 44,065. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. RECORD, a citizen of the United States, residing in the city of Minneapolis, county of Hennepin, and State of Minnesota, have invented certain new and useful Improvements in Adjustable Supports for Journal-Boxes, of which the following is a specification.

My invention relates to adjustable supports for the journal-boxes for shafting employed in buildings to operate machinery and for various purposes.

The object of the invention is to provide convenient means for the support of bridge-trees upon which the boxes are mounted and for the vertical and lateral adjustment of the bridge-trees and of the boxes upon them.

The improvements, generally stated, relate to sills attached to posts of a building, a bridge-tree supported on the sills by means of leveling-screws and adjustable both vertically and laterally relative to the sills and posts, and means for adjusting the journal-box laterally on the bridge-tree. Such improvements are illustrated in the accompanying drawings, in which—

Figure 1 shows the posts, sills, bridge-tree, journal-box, and adjusting devices in elevation. Fig. 2 is a plan view of the bridge-tree detached. Fig. 3 is a front elevation of the sills and leveling-screws detached from the other parts. Fig. 4 is a plan view of the same. Fig. 5 is an end view of the same. Fig. 6 is a detail view of one of the leveling-screws, and Fig. 7 is a detail view of the nut used thereon.

In the drawings, 1 designates one of the metal posts of a building, which, as shown, is of I form in cross-section. Sills 2 of angular shape extend from one post to the other and are supported at opposite sides of the posts on angle-plates 3 and 4, on which they are seated, and are also secured by angle-plates 5, that connect their upper surfaces to the posts. The sills when so attached are separate and provide an intermediate space to receive the leveling-screws. To prevent spreading at the middle, a plate 6 is riveted to the lower flanges of the sills, and at both sides of the middle plates 7 are riveted to the upper flanges.

The leveling-screws 8 operate through openings in the plates 7. These openings are of

angular form to provide sockets for the angular lower portions 9 of nuts 10, that have lateral shoulders 11 seating on the plates 7. 55 The screws 8 operate in these nuts, which are suitably threaded, and the upper portions of the screws have angular portions 12 to adapt them to be turned by means of a wrench for the purpose of raising or lowering the bridge-tree 13, which they support.

The bridge-tree is in form of a channel-bar (a web having two downward flanges) a little longer than the distance between the posts and having notches 14 in its ends to receive the posts for guiding its movements. To adjust it lengthwise—that is, from one post toward the other—set-screws 15 are passed through standards 16 on the bridge-tree and arranged to bear against the posts. 65 Thus either or both ends of the bridge-tree can be adjusted vertically by turning the leveling-screws which support it, and it can be adjusted longitudinally by the screws 15, and the ends are guided and prevented from lateral movement by the posts which engage in the slots.

A base-plate 17 for the journal-box is secured to the bridge-tree by bolts 18 and has upward projections 19, through which set-screws 20 pass and bear against the sides of the pillow or base 21 of the journal-box, and by turning the latter screws the bearing-box can be laterally adjusted.

By suitable adjustment of these devices the shafting can be kept in proper alignment when from unequal settling of the building or other cause there is occasion for adjustment of the journal-boxes.

Having described my invention, what I claim is—

1. The combination with posts, of a vertically and laterally adjustable bridge-tree slideable between and guided by the posts, a journal-box mounted thereon, leveling-screws for supporting and raising and lowering the bridge-tree; means connected to the posts for supporting the leveling-screws, and screws mounted on the bridge-tree and bearing against the posts for adjusting the bridge-tree in lateral direction, substantially as set forth.

2. The combination with posts, of a vertically and laterally adjustable bridge-tree slideable

able between and guided by the posts, a journal-box mounted thereon, means for adjusting it thereon in lateral direction, leveling-screws for supporting and raising and lowering the bridge-tree, means connected to the posts for supporting the leveling-screws, and screws mounted on the bridge-tree and bearing against the posts for adjusting the bridge-tree in lateral direction, substantially as set forth.

3. The combination with posts and sills secured thereto, of leveling-screws supported by the sills, a bridge-tree mounted upon said screws and vertically adjustable by means

thereof, adjusting-screws mounted on the bridge-tree for the lateral adjustment thereof by engagement with said posts, a journal-box adjustably mounted on the bridge-tree, screws for its lateral adjustment thereon, and means for the support of such screws on the bridge-tree, substantially as set forth.

In testimony whereof I have hereunto set my hand this 12th day of January, 1901.

JAMES L. RECORD.

In presence of—

L. E. DOAK,
P. H. GUNCKEL.