

W. H. ROBINSON.

JOURNAL-BOX.

No. 174,305.

Patented Feb. 29, 1876.

Fig. 1

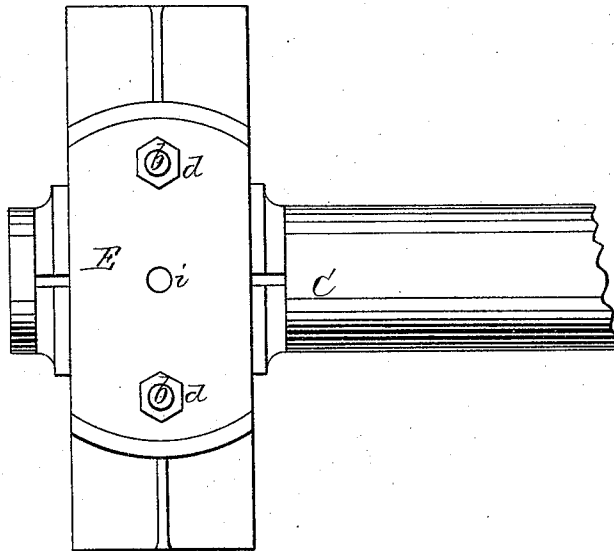


Fig. 2

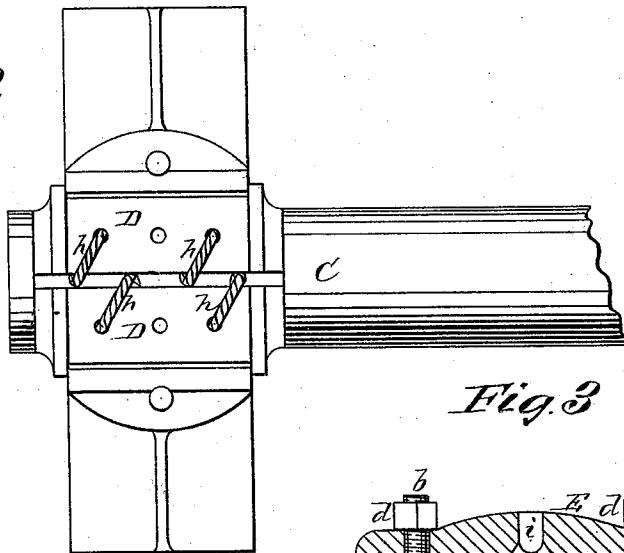
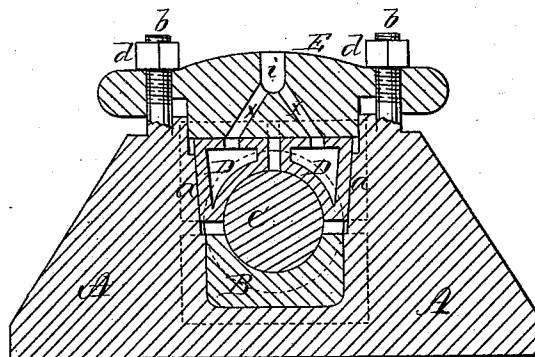


Fig. 3



WITNESSES

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IMPROVEMENT IN JOURNAL-BOXES.

Specification forming part of Letters Patent No. **174,305**, dated February 29, 1876; application filed January 22, 1876.

To all whom it may concern:

Be it known that I, WM. H. ROBINSON, of Reading, in the county of Berks and State of Pennsylvania, have invented a new and valuable Improvement in Journal-Boxes; 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, and to the letters and figures of reference marked thereon.

Figures 1 and 2 of the drawings are representations of plan views of my journal-box, and Fig. 3 is a transverse sectional view thereof.

The nature of my invention consists in the construction and arrangement of a journal-box for steam-engines and other machinery, as will be hereinafter more fully set forth.

In the annexed drawing, A represents the pedestal to contain the journal-box. The inner sides of this pedestal are made slightly flaring at the upper half, as shown at *a*, while the lower half of the sides are perpendicular. B is the lower box, made like the ordinary half-box for the journal C to rest in. The upper box, however, is divided or made in two parts, D D, of the same length as the lower box, and their outer sides are made to fit accurately the inclined or flaring sides *a* of the pedestal, which causes the said boxes D D to incline to the center as they are pressed by the cap E, thereby always insuring a close fit. The cap E is fastened by bolts *b* and nuts *d*, as shown, or by any other suitable means. The upper boxes D D are made hollow to form

oil-receivers, and wicks *h h* conduct the oil from them to the journal. The oil is admitted into said receivers through the usual oil-hole *i* in the center of the cap E, from which passages *x x* branch off, one to each side, to communicate with an inlet to each receiver.

Various means have been resorted to in heavy engines to keep the bearings tight or free from thumping when put to their heaviest duties. Set-screws and side brasses, and also wedges and side brasses, have been used, but without accomplishing the object designed. With my invention this difficulty is entirely overcome, and the engine will run comparatively noiseless without any thumping, even though the nuts securing the cap be not screwed down very tightly.

What I claim as new, and desire to secure by Letters Patent, is—

1. The quarter-boxes D D, made hollow to form oil-receivers, and provided with wicks *h*, in combination with the cap E and its passages, as shown and described.

2. The combination of the pedestal A having inclined sides *a a*, the lower half-box B, journal C, bisected upper box D D, forming oil-receivers, and having wicks *h*, and the cap E with oil-passages *i x*, all constructed substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM H. ROBINSON.

Witnesses:

MATTHIAS MENGEL,
WM. T. ZELL.