L. M. TAYLOR & W. D. FOWLER.

JOURNAL BOX.

No. 69,373. Patented Oct. 1, 1867.

Fig: 1.

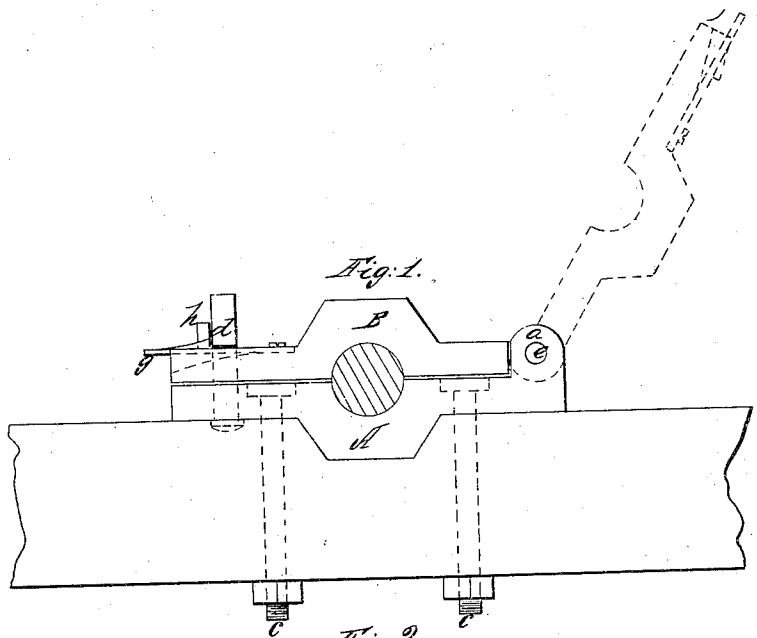


Fig: 2.

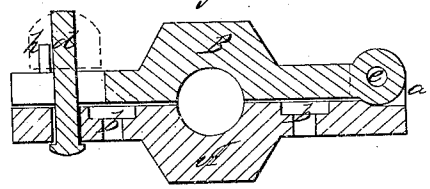
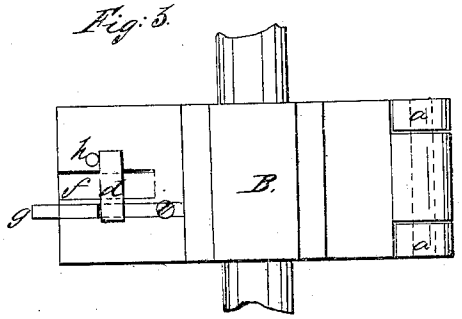


Fig: 3.



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LEROY M. TAYLOR AND W. D. FOWLER, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 69,373, *dated October* 1, 1867.

IMPROVEMENT IN JOURNAL-BOX.

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

TO WHOM IT MAY CONCERN:

Be it known that we, LEROY M. TAYLOR and W. D. FOWLER, of Washington, in the District of Columbia, have invented an improved Journal-Box; and we do declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is an end view of the improved journal-box, showing the upper half thereof thrown up in dotted lines.

Figure 2 is a vertical longitudinal section through the centre of the journal-box.

Figure 3 is a top view.

Similar letters of reference indicate corresponding parts in the three figures.

This invention relates to an improvement on the construction of journal-boxes for all kinds of shafting which it may be desirable to remove from their bearings for cleaning and other purposes.

The invention consists in providing a journal-box the two parts of which are hinged together, with a turn-button and latching device for securely holding the free end of the cap down in place, and at the same time admitting of the ready unlocking of said cap at pleasure, as will be hereinafter described.

To enable others skilled in the art to understand our invention, we will describe its construction and operation.

In the accompanying drawings, A represents the lower half or base section of the journal-box, which is constructed with two ears *a a* on one end, having holes through them for receiving the pivot-pin, which hinges the cap or upper section of the box to it. This base A is also constructed with bolt-holes *b b* through it for receiving the headed bolts *c c* that secure it down firmly in place upon a beam or other object, as shown in fig. 1; also, with a flat-head pin, *d*, which stands perpendicularly to the plane of the base A, and is allowed to turn freely. The space between the lower edges of the said pin and the upper face of the base-piece A is very slightly greater than the thickness of the upper section or cap of the box. The cap B is pivoted at one end to the ears *a a* of this base-section A by means of the transverse pin *e*, and at the other end a notch or groove, *f*, is made of sufficient width and length to receive the head and shank of the turning-pin *d*, and allow this pin to be turned around so as to bring its head at right angles to the length of the box, as shown in fig. 3, or to be turned so as to be brought into line with the slot, as indicated in dotted lines, fig. 2. When the pin-head is turned as last mentioned, the cap B can be thrown back, as indicated in dotted lines, fig. 1, but when the pin-head is turned at right angles to its slot *f* over the cap B, this cap will be held down firmly in place at both ends. On one side of the slot *f* an oblong groove is made in the upper surface of the cap B, in which is firmly secured spring-latch, *g*, which serves, in conjunction with a stop-pin, *h*, on the opposite side of the slot *f*, to hold the a pin *d* from turning when it is in a position for fastening the cap B down in place. The pin *h* serves as one abutment, and the nose of the latch *g* as the other abutment. To raise the cap B, as indicated in dotted lines, fig. 1, it is necessary to depress the latch *g* and turn the thumb-piece of pin *d* one-quarter around, so as to bring it in the plane of its notch or slot *f*.

This simple contrivance will hold the cap of the hinged journal-box down firmly in its place, and also allow of the raising of this cap at pleasure, to oil, clean, or remove a shaft.

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

The manner herein described of constructing the box A B in two halves, with the hinge *a e*, and the turning-pin *d*, and locking devices *g h*, the said construction admitting of a ready removal of the shaft, as well as giving ready access thereto, all as set forth.

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Witnesses:

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