

No. 731,694.

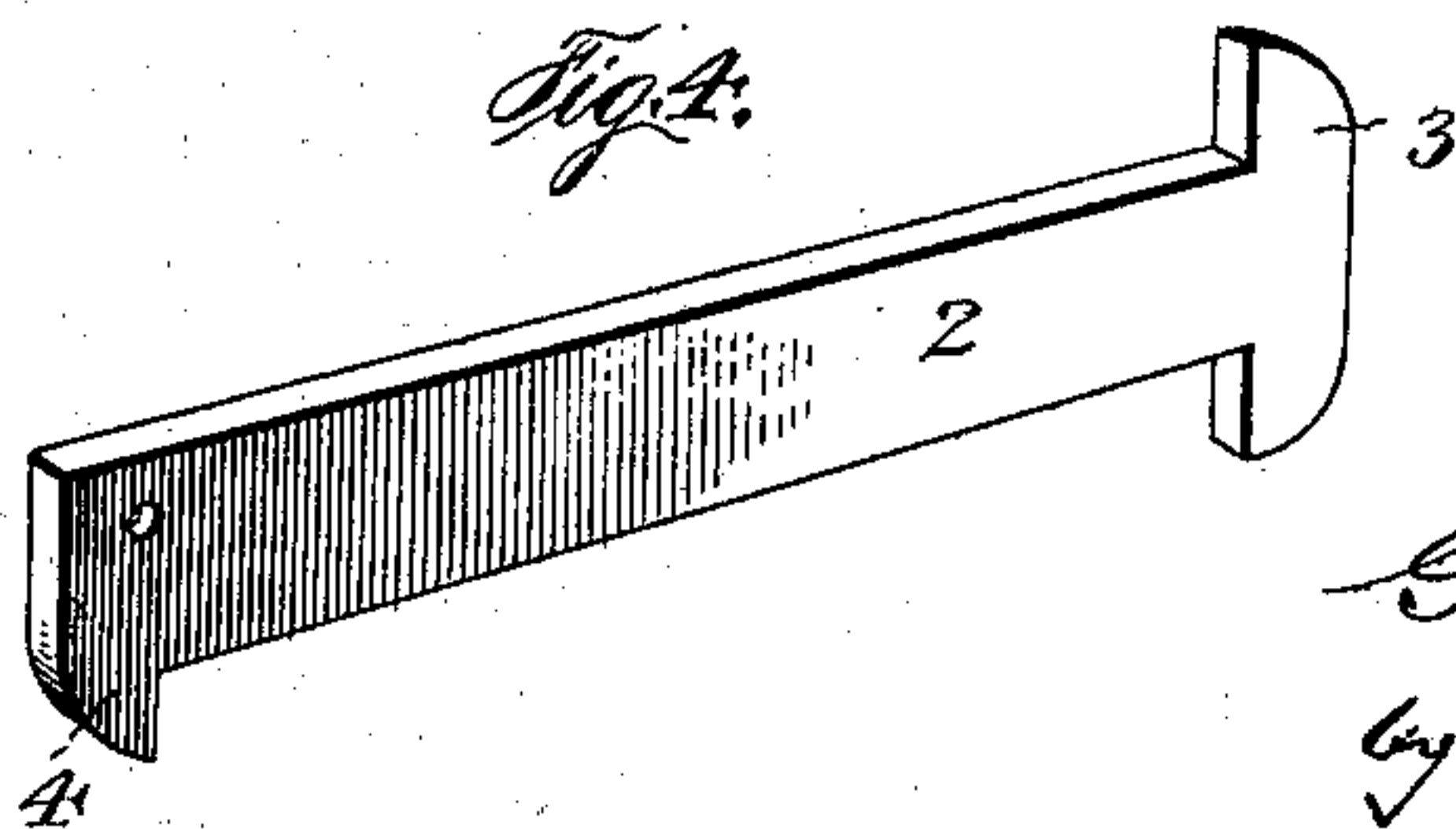
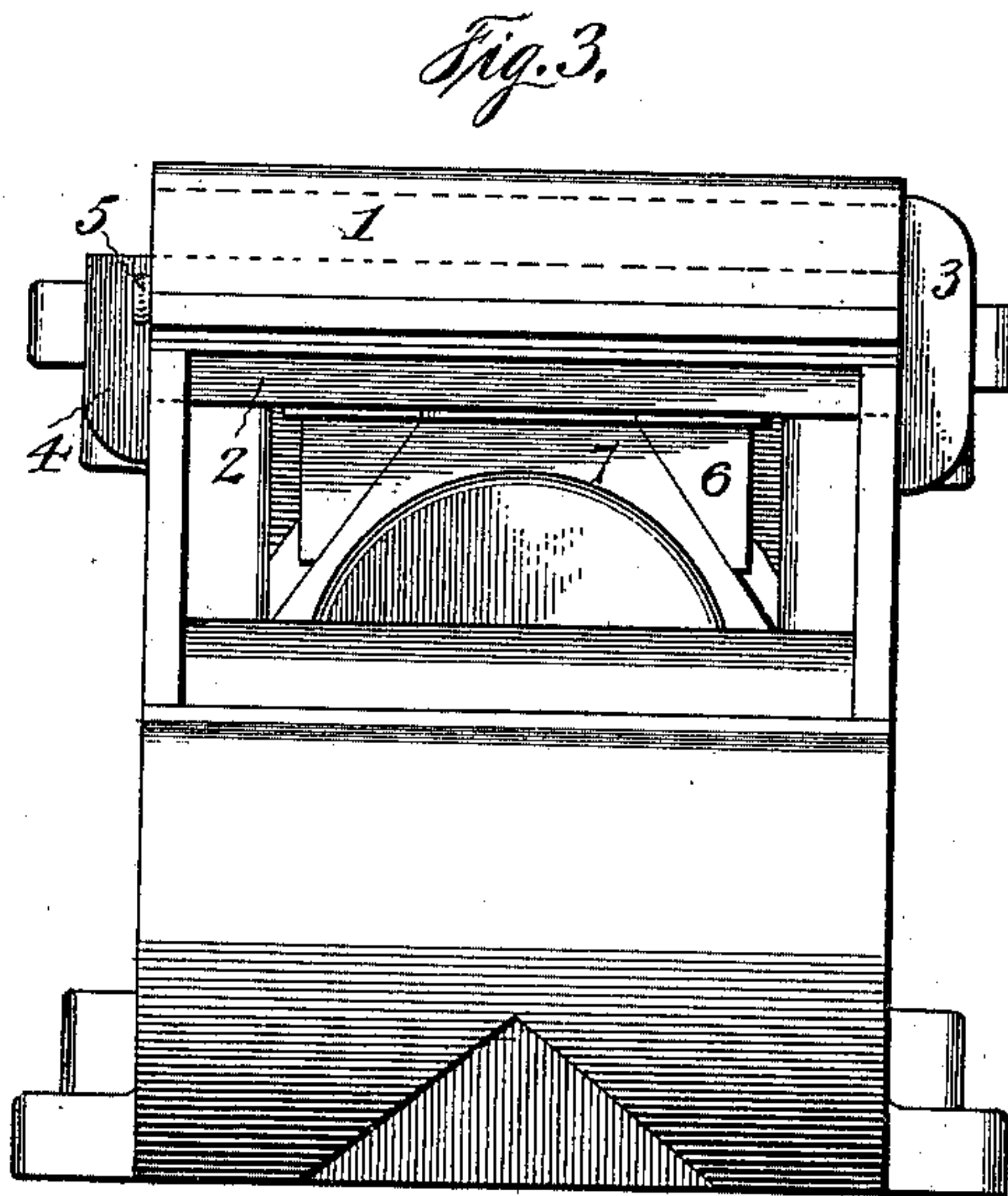
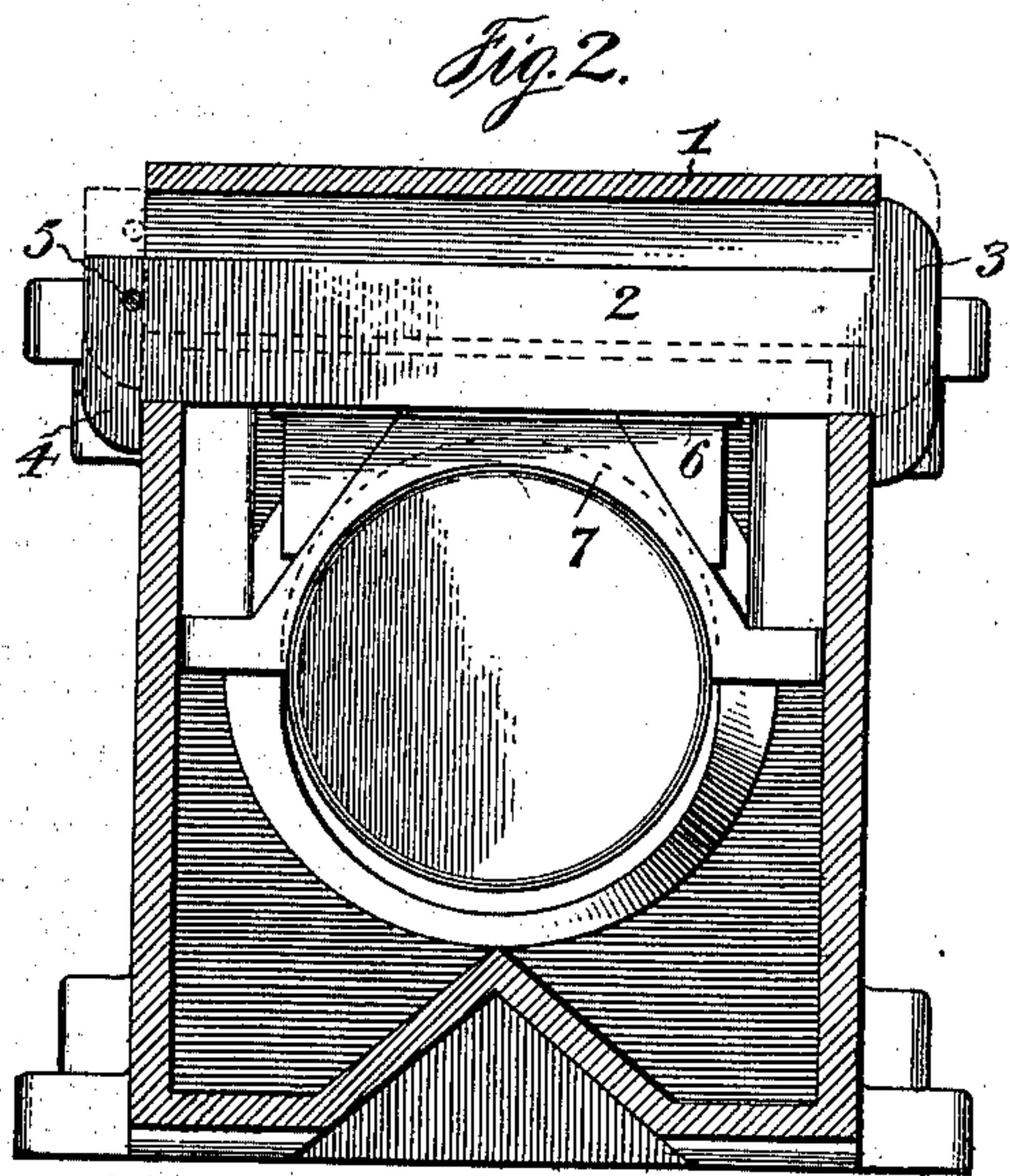
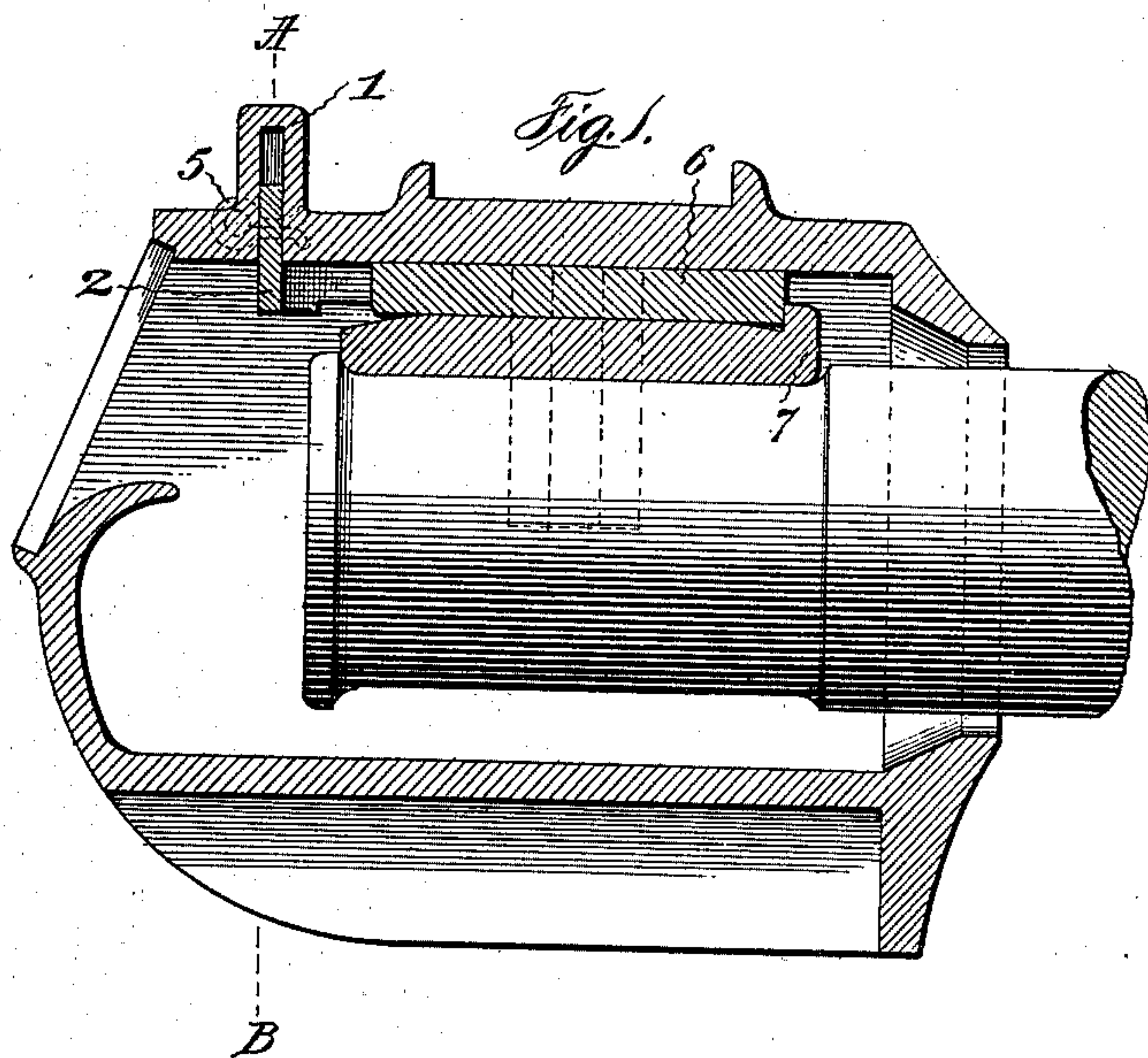
PATENTED JUNE 23, 1903.

G. W. LEWIS.

LOCK FOR BEARING PIECES OF JOURNAL BOXES.

APPLICATION FILED DEC. 9, 1902.

NO MODEL.



Witnessed:
B. H. W.
Ed. Finckel.

Inventor,
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Atty.

UNITED STATES PATENT OFFICE.

GEORGE W. LEWIS, OF PORTSMOUTH, VIRGINIA, ASSIGNOR OF ONE-HALF
TO CAMILLUS A. NASH, OF NORFOLK, VIRGINIA.

LOCK FOR BEARING-PIECES OF JOURNAL-BOXES.

SPECIFICATION forming part of Letters Patent No. 731,694, dated June 23, 1903.

Application filed December 9, 1902. Serial No. 134,515. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LEWIS, a citizen of the United States, residing at Portsmouth, in the county of Norfolk and State of Virginia, have invented a certain new and useful Improvement in Locks for Bearing-Pieces of Journal-Boxes, of which the following is a full, clear, and exact description.

The object of this invention is to provide a lock for holding in place the bearing for the journal within a journal-box in such manner that the said bearing may be accessible at all times for renewal or repair.

The invention consists of a journal-box provided with a transverse pocket near its forward upper end in which is arranged a sliding bolt capable of being dropped down to intercept the wedge or key used to hold the bearing or brass in place and also capable of being lifted up within the pocket, so as to clear said key or wedge and render it accessible.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a longitudinal section. Fig. 2 is a transverse section taken substantially in the plane of the line A B, Fig. 1. Fig. 3 is a front elevation. Fig. 4 is a perspective view of the bolt detached.

I have shown the invention applied to a journal-box having, among other features, a bottom constructed with an inverted-V ridge, substantially as in the Patent No. 706,243, dated August 5, 1902, and also having a rear wall in which the ordinary dust-guard and its pocket are replaced by a hollow projection adapted to be packed with waste and oil in accordance with the invention of my application for patent filed December 9, 1902, Serial No. 134,516, to exclude the dust; but of course I do not limit the application of the invention to either form of box.

Upon the top of the box and near its front is erected a pocket 1, open at each side of the box and opening at its bottom into the interior of the box and extending transversely of the box. Within this pocket is arranged

a bolt 2, herein shown as having a cross-head 3 and a locking hook or bill 4 at opposite ends, with a fastening device, such as a cotter-pin 5, in its hook end for holding it against accidental displacement. This bolt is arranged rather loosely within the pocket and by gravity falls down into its lowermost position. In line with the pocket the side walls of the box are slotted, so that the bolt may fall down into the box a sufficient distance to project its width across the plane of the key or wedge 6, which is ordinarily used to hold in place the brass or bearing-piece 7. As shown in Fig. 1 and in full lines in Figs. 2 and 3, this bolt interposes its width in front of the said key or wedge, and consequently holds it in place, and, as indicated by the dotted lines in Fig. 2, said bolt may be lifted up into the pocket 1 out of the plane of the key or wedge, and thus expose the said key or wedge in such manner as to render it readily accessible for removal whenever necessary to renew or replace the bearing or brass.

The bolt is inserted in the pocket hook end foremost, and when so inserted the cross-head 3 retains the bolt in place at one side and the hook 4 and cotter-pin or other fastening device hold it at the other side, so that in the manipulation of the bolt no portion of it has to be removed or detached from the box, and thus danger of its loss is minimized. Thus is provided a very simple and efficient lock without any very material addition to the weight or cost of the box.

What I claim is—

1. A journal-box, provided on its top and near its front end with a transverse pocket open at its sides and bottom, and a gravity-bolt arranged in said pocket and adapted to drop into the plane of the key or wedge of the bearing, and capable of being retracted into the pocket out of the plane of said key or wedge.

2. A journal-box, provided at its top and near its front end with a transverse pocket open at its sides, the sides of the box having slots coincident with the said side openings,

and said pocket opening into the box, combined with a gravity-bolt arranged in said pocket and movable vertically in said side openings and slots and capable of being lifted
5 up within the pocket, and means at opposite ends to prevent its escape from said pocket.
In testimony whereof I have hereunto set

my hand this 6th day of December, A. D. 1902.

GEORGE W. LEWIS.

Witnesses:

T. R. JOHNSON,

F. W. CLARK.