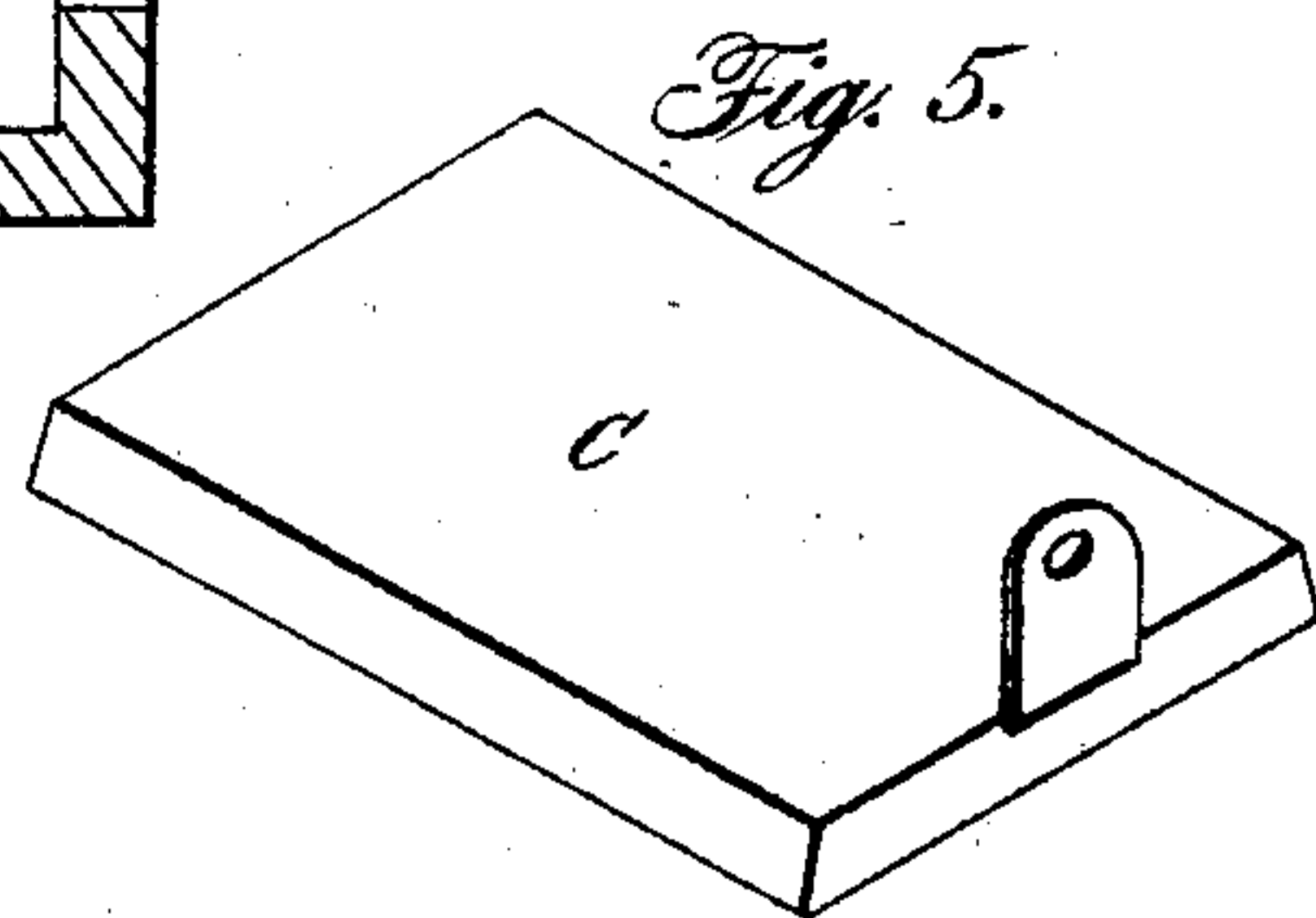
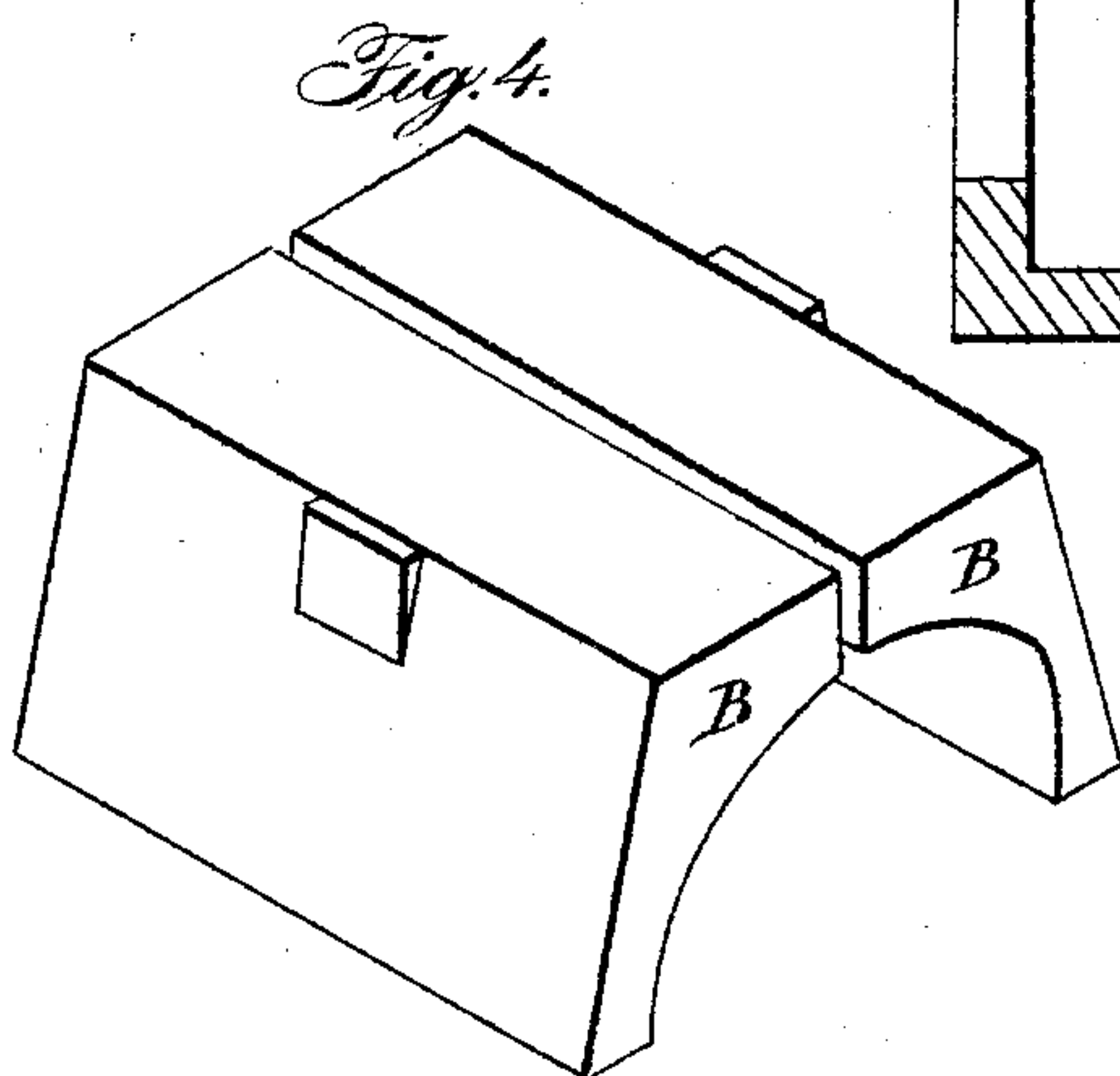
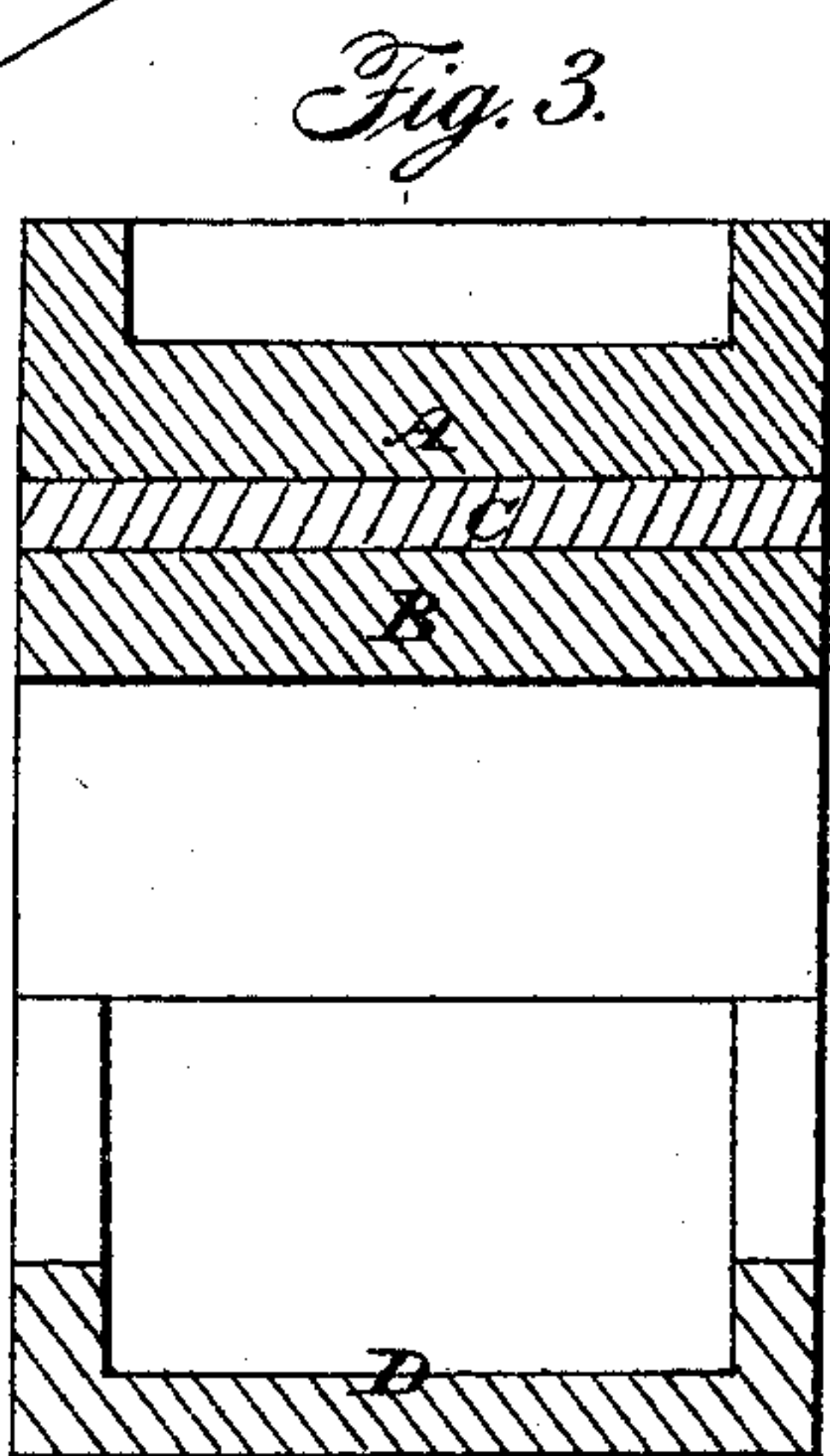
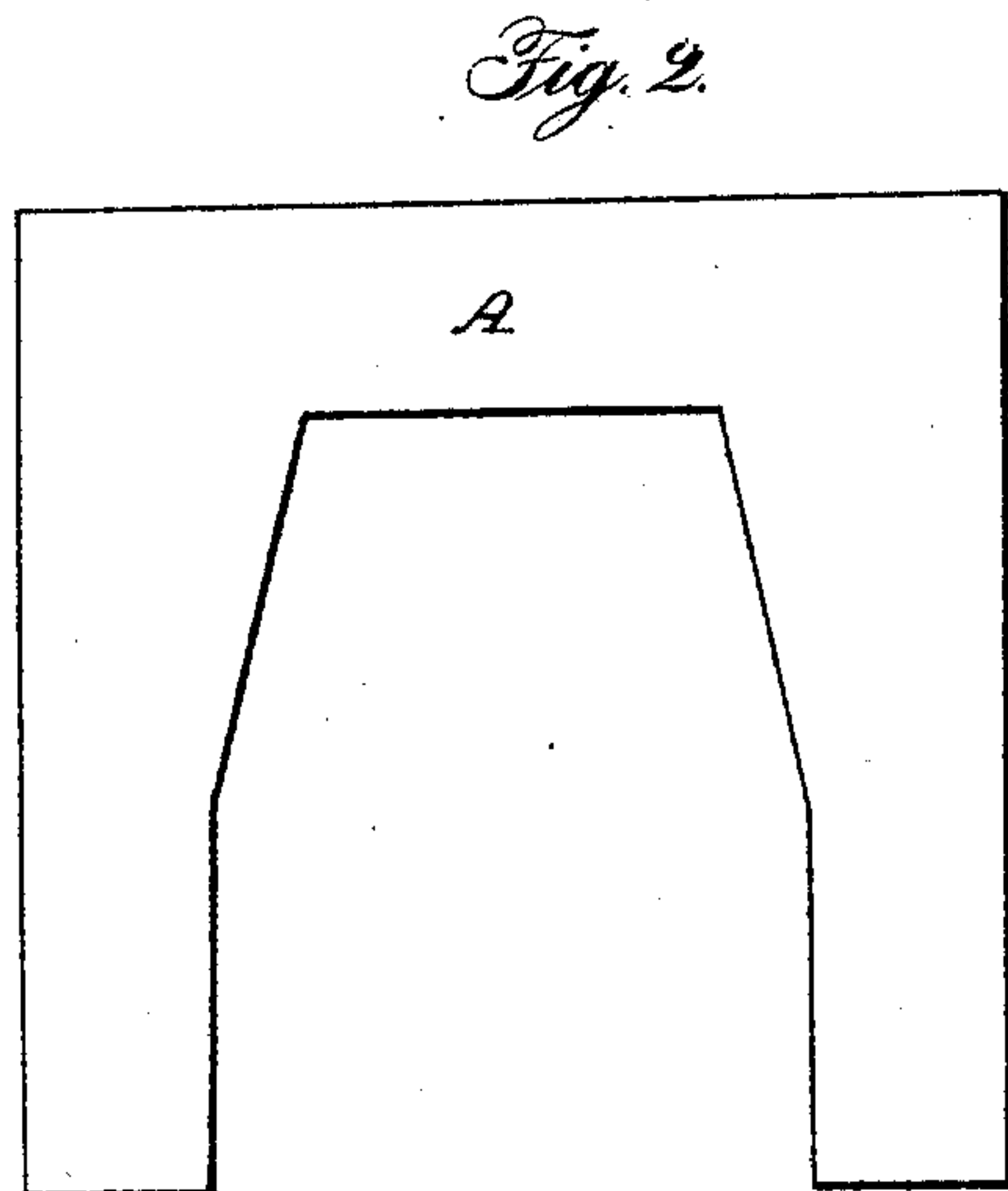
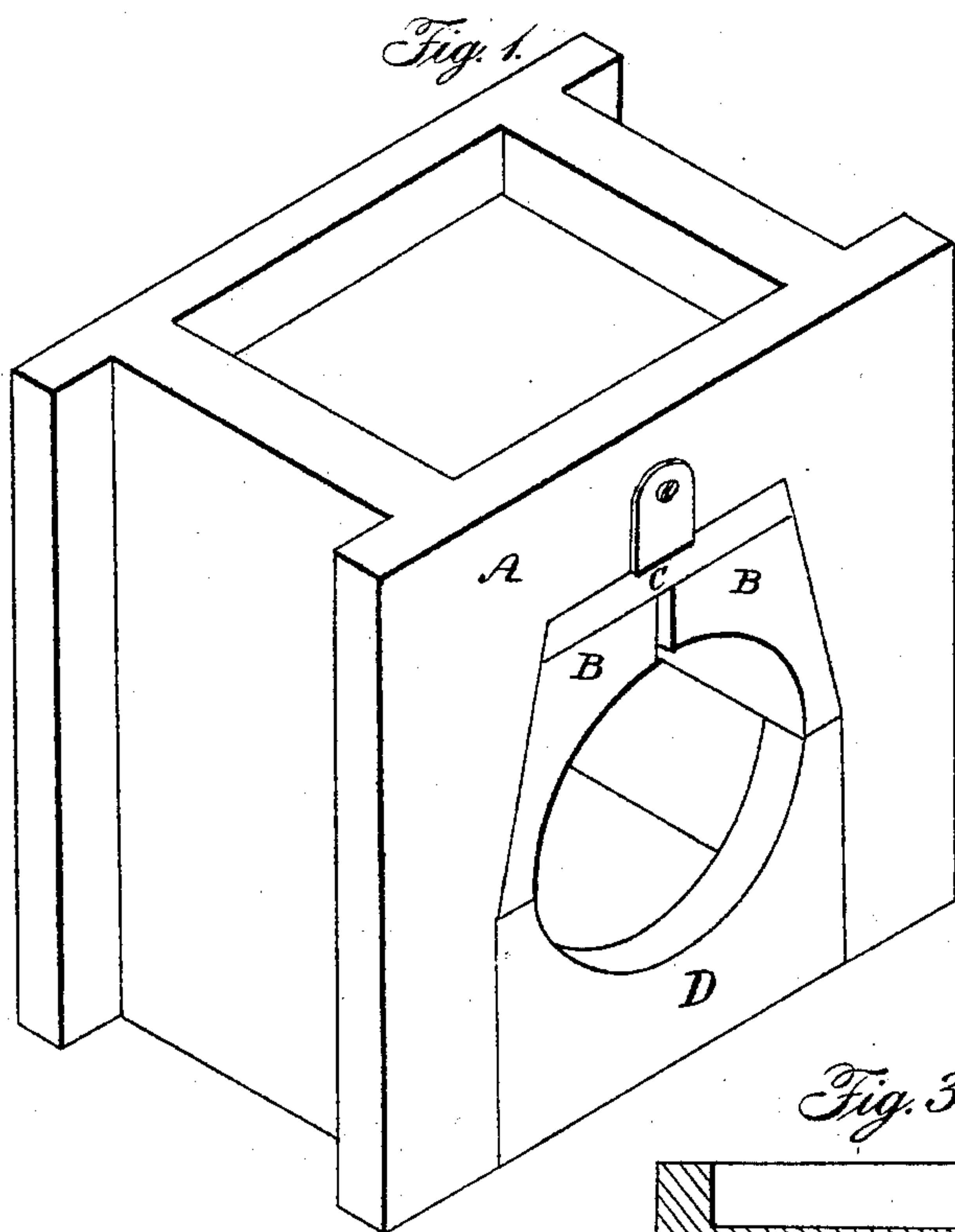


J. E. WOOTTEN.

Car-Axle Box.

No. 18,786.

Patented Dec. 1, 1857.



UNITED STATES PATENT OFFICE.

JOHN E. WOOTTEN, OF PHILADELPHIA, PENNSYLVANIA.

DRIVING-BOX FOR LOCOMOTIVES.

Specification of Letters Patent No. 18,786, dated December 1, 1857.

To all whom it may concern:

Be it known that I, JOHN E. WOOTTEN, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in the Construction of Driving-Boxes for Locomotive-Engines; 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, in which—

Figure 1 is a perspective view of the driving box with all the parts in place. Fig. 2 is a front elevation of the outside driving or pedestal box, showing the beveled surface of the inside of the jaws, where the divided journal-box B B is seated. Fig. 3 is a longitudinal section of the driving box and its parts in the direction of the length of the journal. Fig. 4 is a perspective view of the divided journal-box B, B. Fig. 5 is a perspective view of the adjusting plate C, similar letters referring to similar parts.

The nature of my invention consists in providing a driving or pedestal box A of the ordinary exterior form, the inner surface of the jaws of the box are so beveled, as shown in Fig. 2, that the space between them where the journal box B, B is seated is of taper form, being smallest near the top of the box. The divided journal box B, B is fitted into the beveled seat in such a manner as to leave the space for the adjusting plate C between the top of the divided journal box B, B, and the driving box A. Sufficient space should be allowed to intervene between the two parts of the divided journal box B, B, to allow them to close upon the journal as from time to time may be required to compensate for wear of the journal or journal box.

D is an ordinary oil cup its use being to retain a sufficient supply of oil for the lubrication of the journal. The adjusting plate C having been fitted to its place above the top of the divided journal box B, B, its use is as follows: When by reason of wear either of the journal or journal box, it becomes necessary that the bearing should be readjusted, it is only necessary to remove the adjusting plate C from its place, and reduce it in thickness as much as may be required. This allows the divided journal-box B, B, to pass farther into the beveled jaws of the driving box A and the diminished space between the jaws of the driving box A occupied by the two parts of the journal box B, B, has the effect of closing them upon the journal, thus compensating for wear and making a refit of the parts, instead of having a single adjusting plate C, and reducing it in thickness to compensate for wear. There may be a series of thinner plates used any one or more of which can be removed as occasion may require for the purpose stated, or a single plate of wedge form may be successfully used where admissible for the same purpose.

Having thus fully described the construction and manner of operation of my improved driving box, what I claim and desire to secure by Letters Patent, is:

The adjusting plate C or its equivalent in combination with the divided journal-box B, B, as described, for the purpose and in the manner herein set forth.

J. E. WOOTTEN.

Witnesses:

WILLIAM A. BOYD,
W. W. REIGLE.