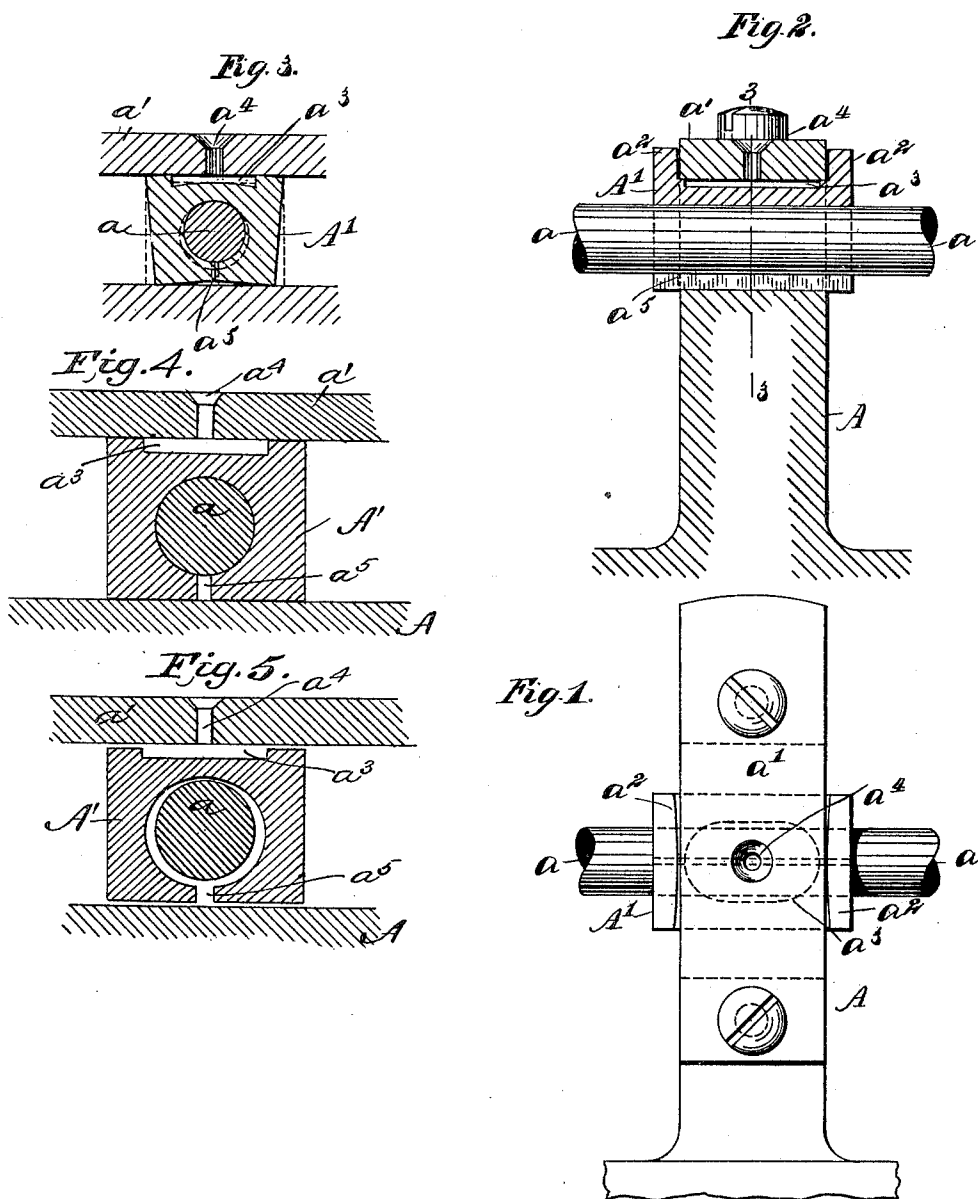


(No Model.)

R. M. MELHUIISH.
JOURNAL BEARING.

No. 581,602.

Patented Apr. 27, 1897.



WITNESSES.

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UNITED STATES PATENT OFFICE.

RICHARD MATTHEW MELHUISH, OF LONDON, ENGLAND.

JOURNAL-BEARING.

SPECIFICATION forming part of Letters Patent No. 581,602, dated April 27, 1897.

Application filed April 1, 1896. Serial No. 585,785. (No model.) Patented in France September 18, 1895, No. 250,368; in Belgium September 19, 1895, No. 117,488, and in Canada December 6, 1895, No. 50,763.

To all whom it may concern:

Be it known that I, RICHARD MATTHEW MELHUISH, of London, England, have invented certain new and useful Improvements in Journal-Bearings, (for which I have obtained Letters Patent in France, dated September 18, 1895, No. 250,368; in Belgium, dated September 19, 1895, No. 117,488, and in Canada, dated December 6, 1895, No. 50,763,) of which the following is a full, clear, and exact description.

This invention relates to bearings for shafting; and the object is to so construct the bearing that it may be easily reduced to compensate for wear.

I will describe a bearing embodying the invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

In the drawings, Figure 1 is a plan view of a bearing embodying my invention. Fig. 2 is a vertical section thereof. Fig. 3 is a section substantially on the line 3 3 of Fig. 2. Fig. 4 is an enlarged detail sectional view showing the bearing in its original condition; and Fig. 5 is a similar view showing the effects of wear on the bearing-block, both internal and external.

Referring to the drawings, A designates a bearing-standard having an opening in its upper end, within which is seated to move the bearing-block A'. This block has a longitudinal bore to receive the shaft a, and it is held in place by means of a plate a', secured to the top of the post, as here shown, by means of screws. At its ends the block has upwardly-extended flanges a² to engage against the side edges of the plate.

In the top of the bearing-block A', beneath the plate a', a shallow recess a³ is formed for the reception of oil, and the oil for lubricating may be placed therein through a perforation a⁴ in the plate a'.

The bearing-block is longitudinally slit or separated at its lower side, as indicated at a⁵, so that when a journal wears, as illustrated in an exaggerated form in Figs. 3 and 5, the wear may be taken up or compensated for by pinching together the slightly-separated parts of the block. The effect of this is to provide ready means of correcting not only the internal wear of the bearing-block, but also its external wear, due to its lateral movement in the opening in the bearing-standard.

Referring to Fig. 3, it will be seen that the pinching together of the bearing-block depresses the outer lower edges of the block, causing them to take a fresh and steady bearing against the bottom wall of the opening in the standard.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A journal-bearing, comprising a standard provided with an opening, a substantially rectangular bearing-block seated to move in said opening, the said bearing-block having a longitudinal slot or opening in one side, whereby provision is made for taking up the internal wear around the journal and the external wear between the parts in which said block moves, substantially as specified.

2. A journal-bearing, comprising a standard having an opening, a bearing-block seated to move in the said opening, and a plate for holding said bearing-block in place, the said bearing-block being longitudinally opened at its under side, whereby when the slightly-separated parts of the bearing-block are drawn together to take up the internal wear around the journal, the outer lower edges of said block will be depressed to take up the external wear, substantially as specified.

RICHARD MATTHEW MELHUISH.

Witnesses:

W. M. HARRIS,
GEO. J. B. FRANKLIN.