

(No Model.)

J. & I. ROSHONG.
ECCENTRIC OILER.

No. 401,072.

Patented Apr. 9, 1889.

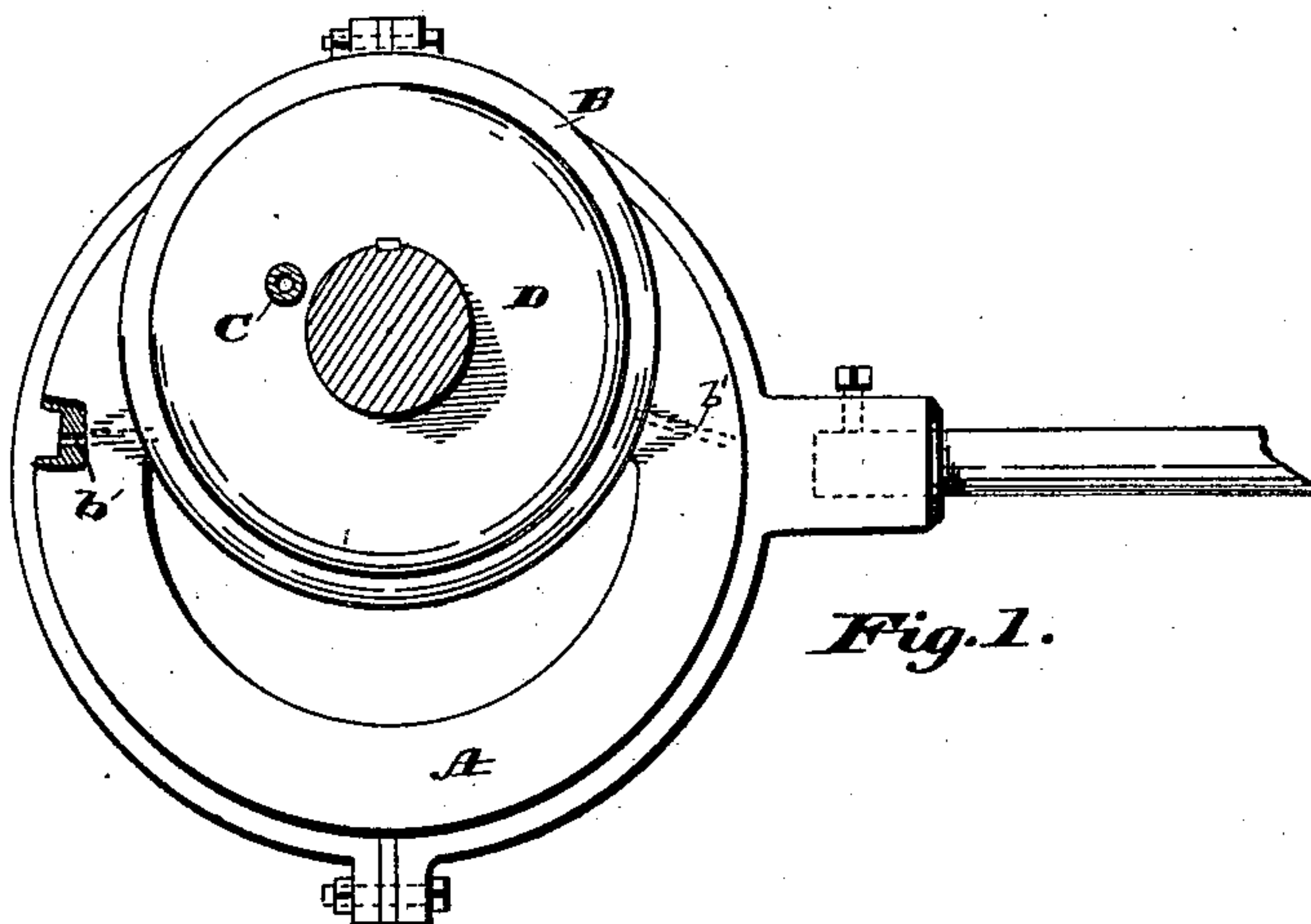


Fig. 1.

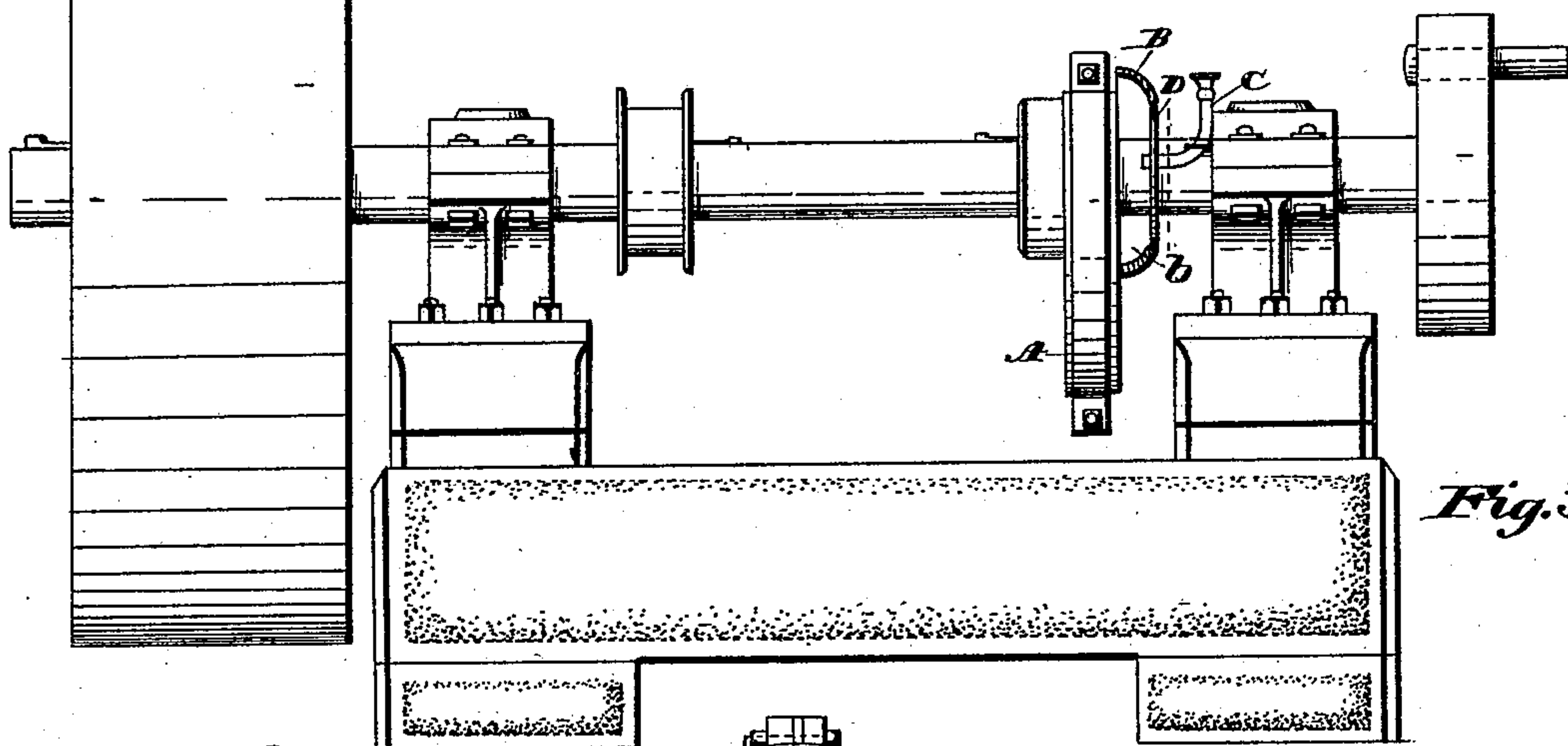


Fig. 3.

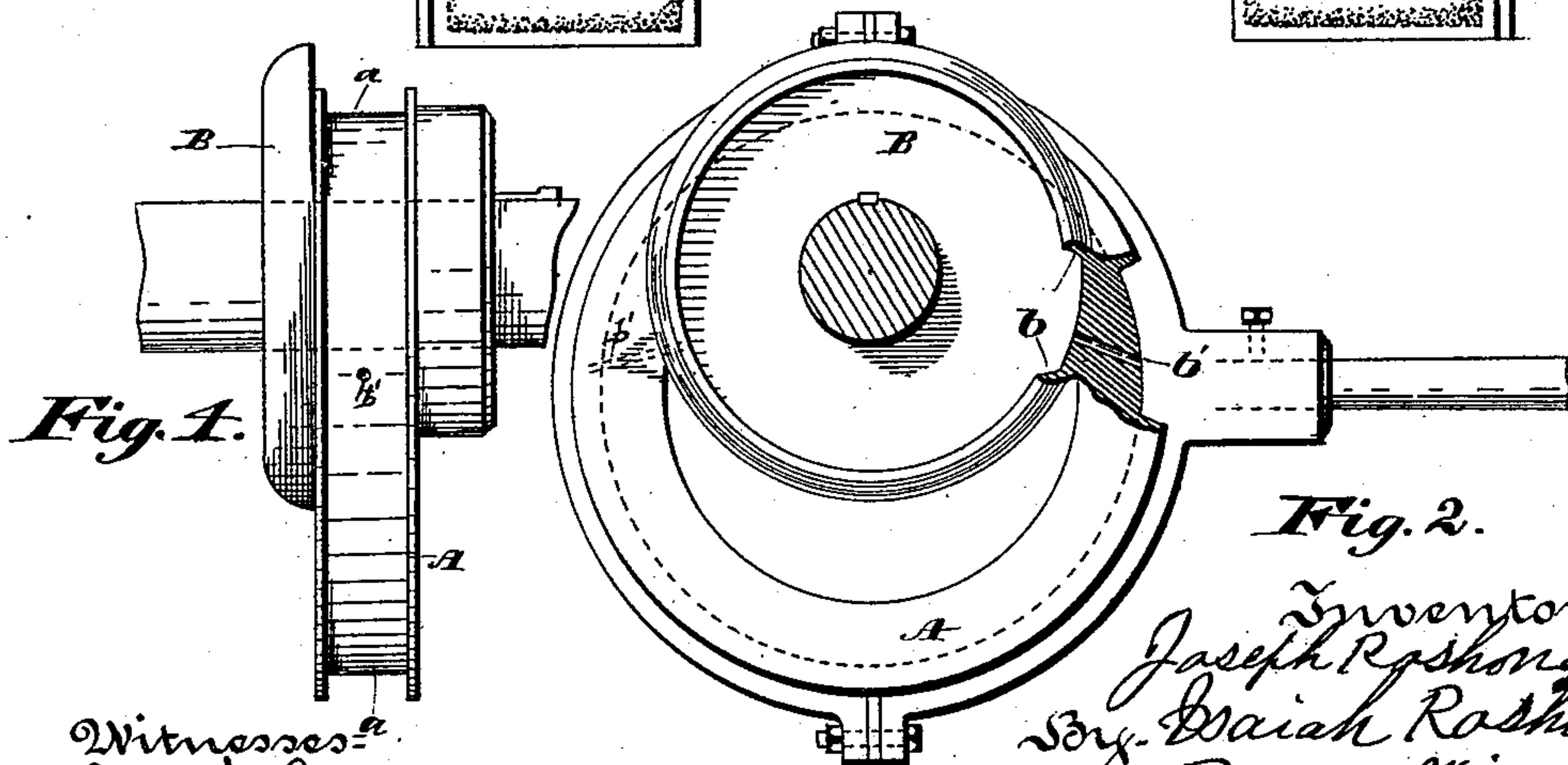


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH ROSHONG AND ISAIAH ROSHONG, OF CANTON, OHIO, ASSIGNORS OF
ONE-THIRD TO JOHN J. ROSHONG, OF SAME PLACE.

ECCENTRIC-OILER.

SPECIFICATION forming part of Letters Patent No. 401,072, dated April 9, 1889.

Application filed October 22, 1888. Serial No. 288,857. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH ROSHONG and ISAIAH ROSHONG, citizens of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Eccentric-Oilers; and we do hereby declare that the following is a full, clear, and exact description 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, in which—

Figure 1 is a side view of an eccentric, showing the different parts properly attached. Fig. 2 is a side view of the eccentric, showing one of the oilways. Fig. 3 is a view of an engine-shaft, showing an eccentric located thereon. Fig. 4 is a view of the eccentric, showing straps removed.

The present invention has relation to eccentric-oilers; and its nature consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

The object of our invention is to provide a means of oiling eccentrics while in motion.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents an ordinary eccentric-ring, provided upon its periphery with the ordinary groove, *a*. This eccentric ring or wheel is attached to an engine or other shaft in the ordinary manner. To the side of the eccentric A in this instance is located the disk B, the inner face of which is provided with the groove *b*, and from the groove *b* the oilways *b'* lead to the face of the eccentric-groove *a*. In the drawings two oilways, *b'*, are shown; but a greater or less number may be provided. The outer face of the disk B is open for the purpose of permitting the feed-tube C to be placed in such a position that it will convey oil to the groove *b* without interfering with the rotation of the eccentric.

The feed tube or pipe C may be located as shown in the drawings, or it may lead to any desired point most convenient to be oiled. In applying our invention to locomotives, the feed

tube or pipe C should lead to the cab of the locomotive, and for the purpose of compensating for the spring of the parts of a railroad-locomotive above the axles upon which the eccentric or eccentrics may be attached a portion of the feed-pipe C should be flexible.

It will be seen that the eccentric A may be formed solid and a groove formed in the side of said eccentric.

The disk B may be formed integral with the eccentric, or it may be formed separate and attached in any convenient and well-known manner.

It will be seen that by our peculiar and novel arrangement the centrifugal force will hold the oil in the groove *b*, from where it will be conveyed to the groove *a*, thereby oiling the eccentric while in motion.

For the purpose of preventing dirt from entering the groove *b* and clogging the oilways *b'*, the plate D is provided, which is located substantially as shown in Fig. 1.

In case it is desired to force oil through long feed-pipes, compressed air may be forced into the feed-pipe C. In case the groove *b* is formed in the side of the eccentric A, the disk B may be dispensed with. It will be understood that the plate D does not rotate with the eccentric and disk.

Having now fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. An eccentric having an oil-conveying groove on one side and provided with oilways leading therefrom through said eccentric to its periphery, substantially as described.

2. The combination, with an eccentric having oilways, of a disk having an annular oil-conveying groove, substantially as described.

3. The combination, with an eccentric having oilways leading to its periphery, of a disk having an oil-groove upon its inner face located against the face of the eccentric having the oilways, substantially as described.

4. The combination, with an oil-conveying disk, of an eccentric having oilways communicating with an oil-groove in the disk and with the periphery of the eccentric, said disk being mounted centrally on the power-shaft, substantially as described.

5. The combination, with the eccentric A, having oilways b' , of the oil-conveying disk B, connected by said oilways with the periphery a of the eccentric, a non-rotatable plate, 5 D, located in the disk, and the oil-supply pipe C, substantially as described.

In testimony that we claim the above we

have hereunto subscribed our names in the presence of two witnesses.

JOSEPH ROSHONG.
ISAIAH ROSHONG.

Witnesses:

EDW. G. LANE,
FRED W. BOND.