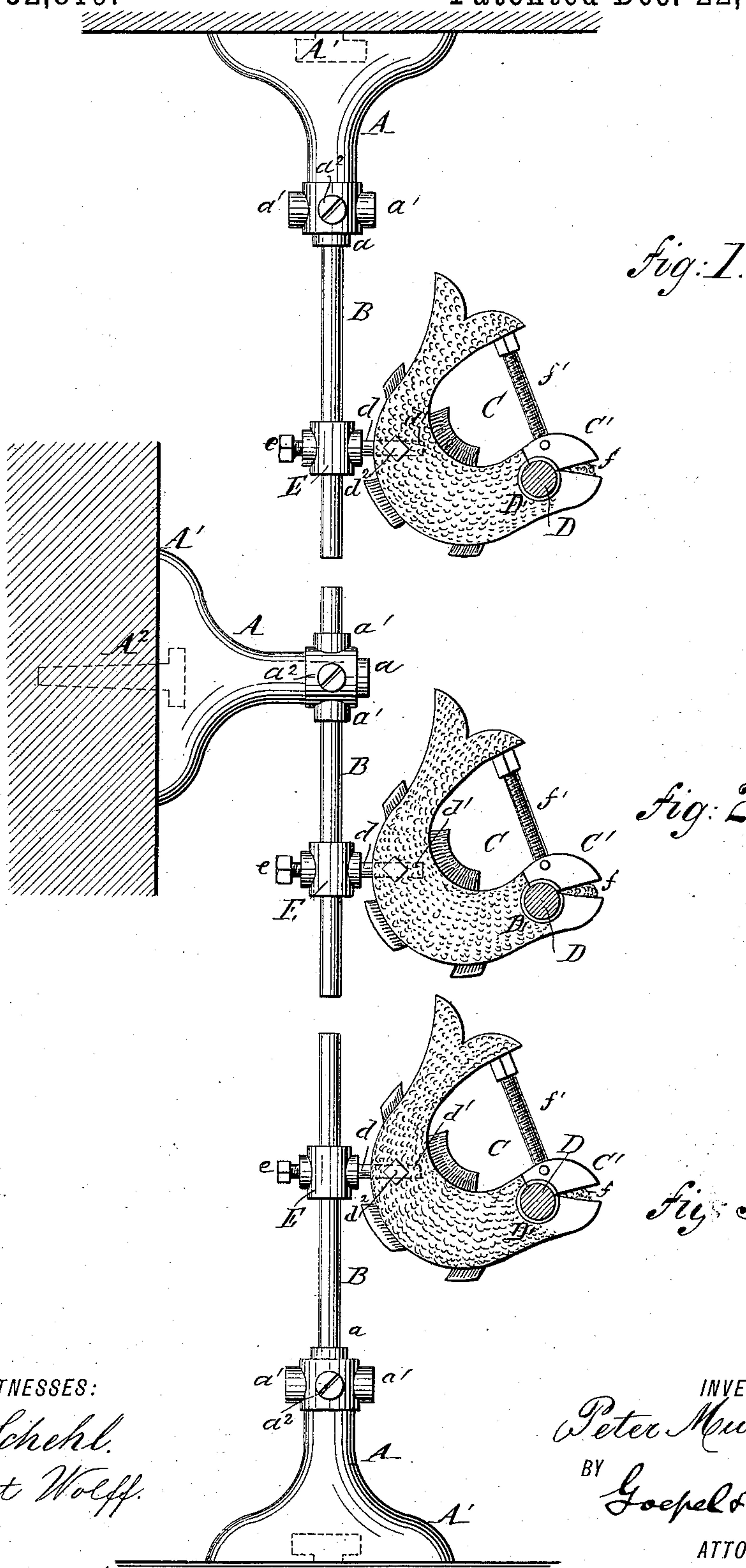


(No Model.)

P. MURRAY, Jr.
JOURNAL BEARING FOR SHAFTS.

No. 332,819.

Patented Dec. 22, 1885.



WITNESSES:

A. Schehl.
Ernst Wolff.

INVENTOR

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UNITED STATES PATENT OFFICE.

PETER MURRAY, JR., OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF,
ALFRED N. LEWIS, OF SAME PLACE, AND RICHARD S. T. CISSEL AND
ROBERT B. CISSEL, OF ELIZABETH, NEW JERSEY.

JOURNAL-BEARING FOR SHAFTS.

SPECIFICATION forming part of Letters Patent No. 332,819, dated December 22, 1885.

Application filed September 2, 1885. Serial No. 175,985. (No model.)

To all whom it may concern:

Be it known that I, PETER MURRAY, Jr., of Newark, in the county of Essex and State of New Jersey, have invented certain new and
5 useful Improvements in Journal-Bearings for Shafts, of which the following is a specification.

This invention relates to an improved journal-bearing for motion-transmitting shafts,
10 whereby the shafts may be supported in any suitable position toward the wall, ceiling, or floor, as required; and the invention consists of a lubricator-cup and journal-bearing for the shaft, said cup being supported by a sleeve
15 or thimble made adjustable on a rod that is adjustably secured to a socket of a bracket-arm attached to the ceiling, wall, or floor. The bracket-arm has a socket in line with its axis, and a second socket at right angles there-
20 to, whereby the adjustable cup-carrying rod can be supported in different positions to the bracket-arm, as required.

In the accompanying drawings, Figures 1, 2, and 3 represent side elevations of my im-
25 proved journal-bearing, shown, respectively, as applied to the ceiling, wall, or floor.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a
30 cast-metal bracket-arm with the enlarged base A', which is provided with a fixed center bolt, A², that is cast or otherwise attached thereto. The bolt A² serves to attach the bracket-arm A to the ceiling, wall, or floor.
35 The bracket-arm A is provided with a socket, a, in line with the axis of the same, and with a socket, a', at right angles to the socket a. An adjustable rod, B, is inserted either into the socket a, as shown in Figs. 1 and 2, or
40 into the socket a', as shown in Fig. 2, and then secured by a set-screw, a², according to the distance at which the shaft D is to be supported from the wall, floor, or ceiling. On the rod B is located an adjustable sleeve or
45 thimble, E, which is screwed thereto by a set-screw, e. The thimble E is provided with a fixed shank, d, that extends at right angles to the rod B into a socket, d', of the cup C, within which the journal-bearing D' of the
50 shaft is arranged.

The lubricating-cup C is made in any suitable shape—such as a fish or other suitable object—and provided with an oil-conducting wick, f, and a hinged lid, C', which is adjust-
55 ed by a set-screw, f', that presses the lid down more or less, so as to regulate the quantity of oil supplied to the journal of the shaft D. The lubricating-cup C is secured to the fixed shank d by a set-screw, d², by means of
60 which the journal-bearing D' may be properly aligned to the shaft.

By the adjustable sleeve E the lubricating-cup C and the journal-bearing D' can be ad-
justed on the rod closer to or farther away from the bracket-arm A, so that the journal-
65 bearing can be adjusted in any relative position to the ceiling, wall, or floor, according to the position required for the shaft, whereby it is especially adapted for automatic fan-
shafts and similar applications. 70

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

1. The combination of a supporting bracket-arm having an enlarged base, a socket in
75 line with the axis of the arm, and a socket at right angles thereto, a rod adjustable in said sockets, an adjustable sleeve or thimble located on said rod, and an oil-cup supported on said sleeve and having a journal-bearing
80 for the shaft, substantially as set forth.

2. The combination of a supporting bracket-arm, A, having an enlarged base, A', and sockets a a', an adjustable rod, B, secured by
85 a set-screw, a², to one of said sockets, a sliding sleeve, E, having a set-screw, e, and a fixed shank, d, and a lubricating-cup, C, connected to a socket, d', and set-screw d² to the shank, and having a journal-bearing, D', for the
90 shaft, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PETER MURRAY, JR.

Witnesses:

CARL KARP,
SIDNEY MANN.