

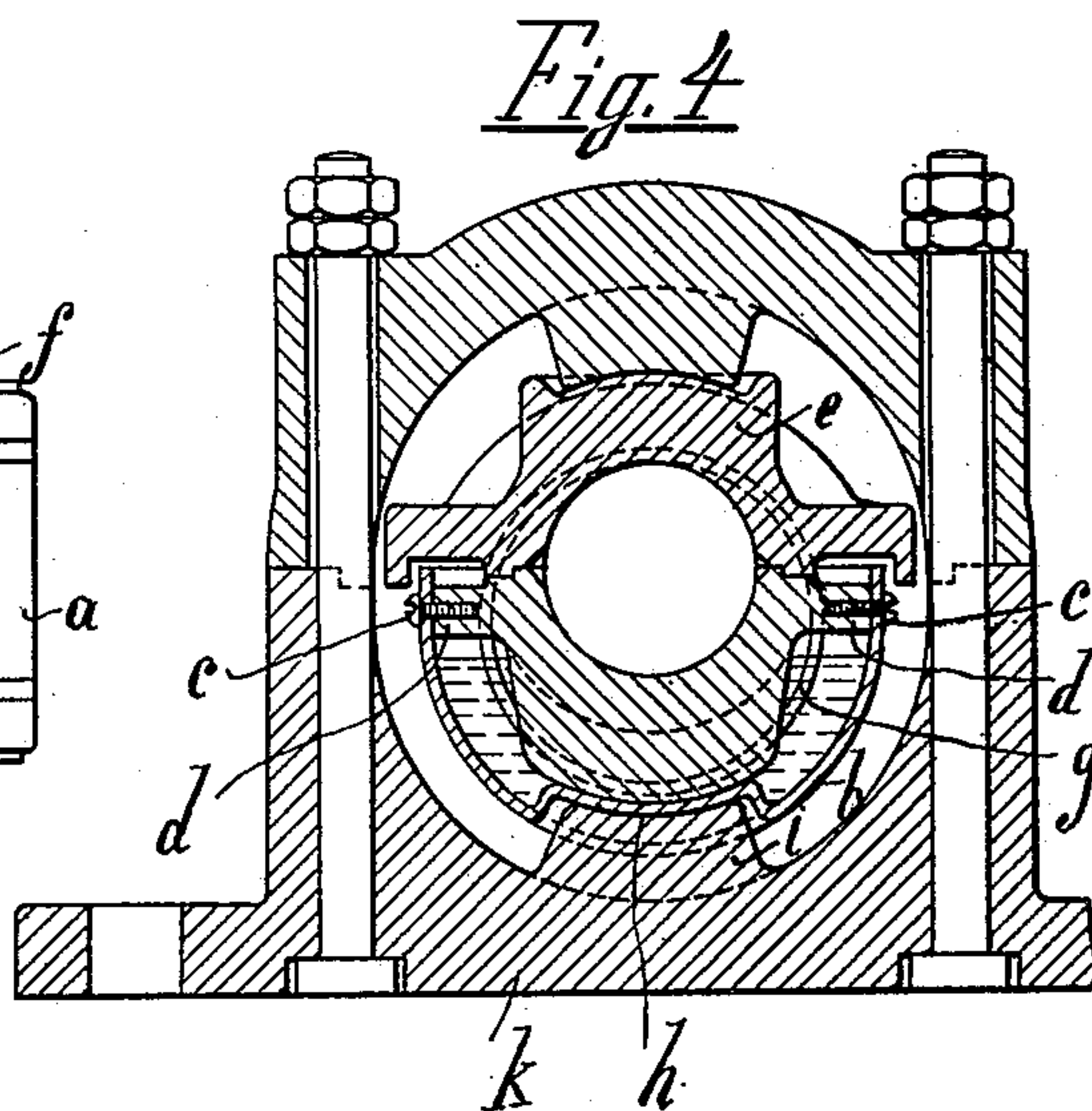
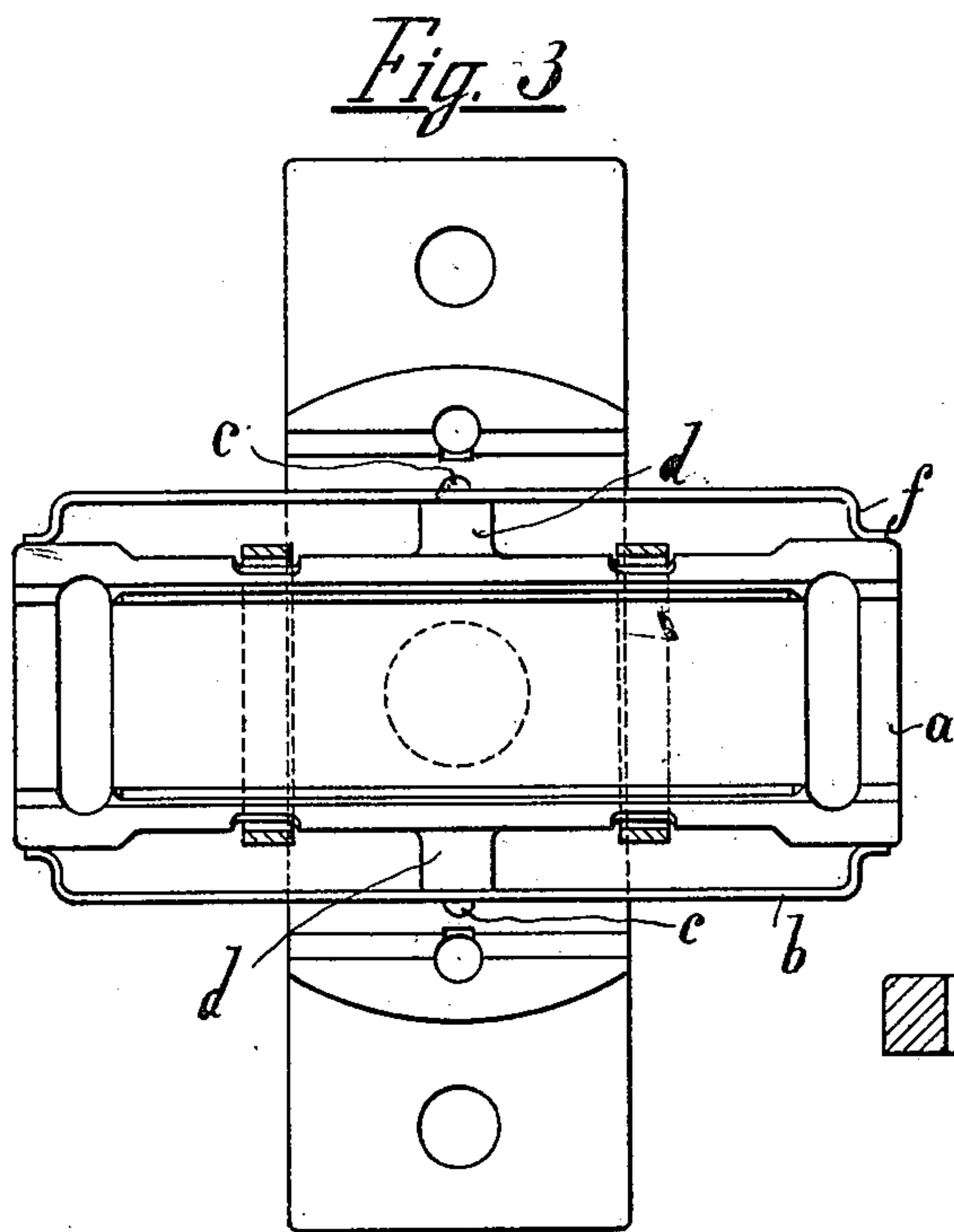
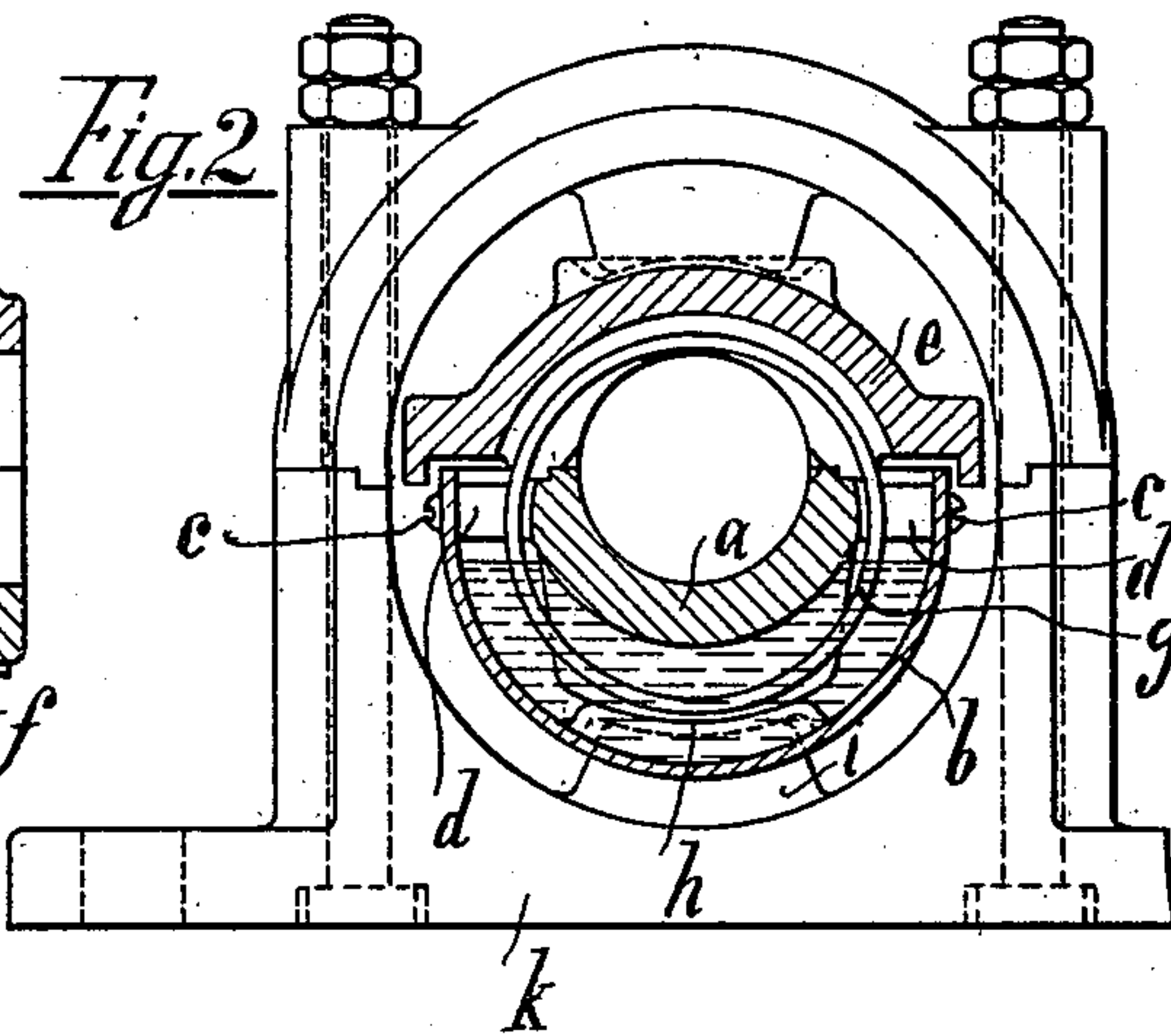
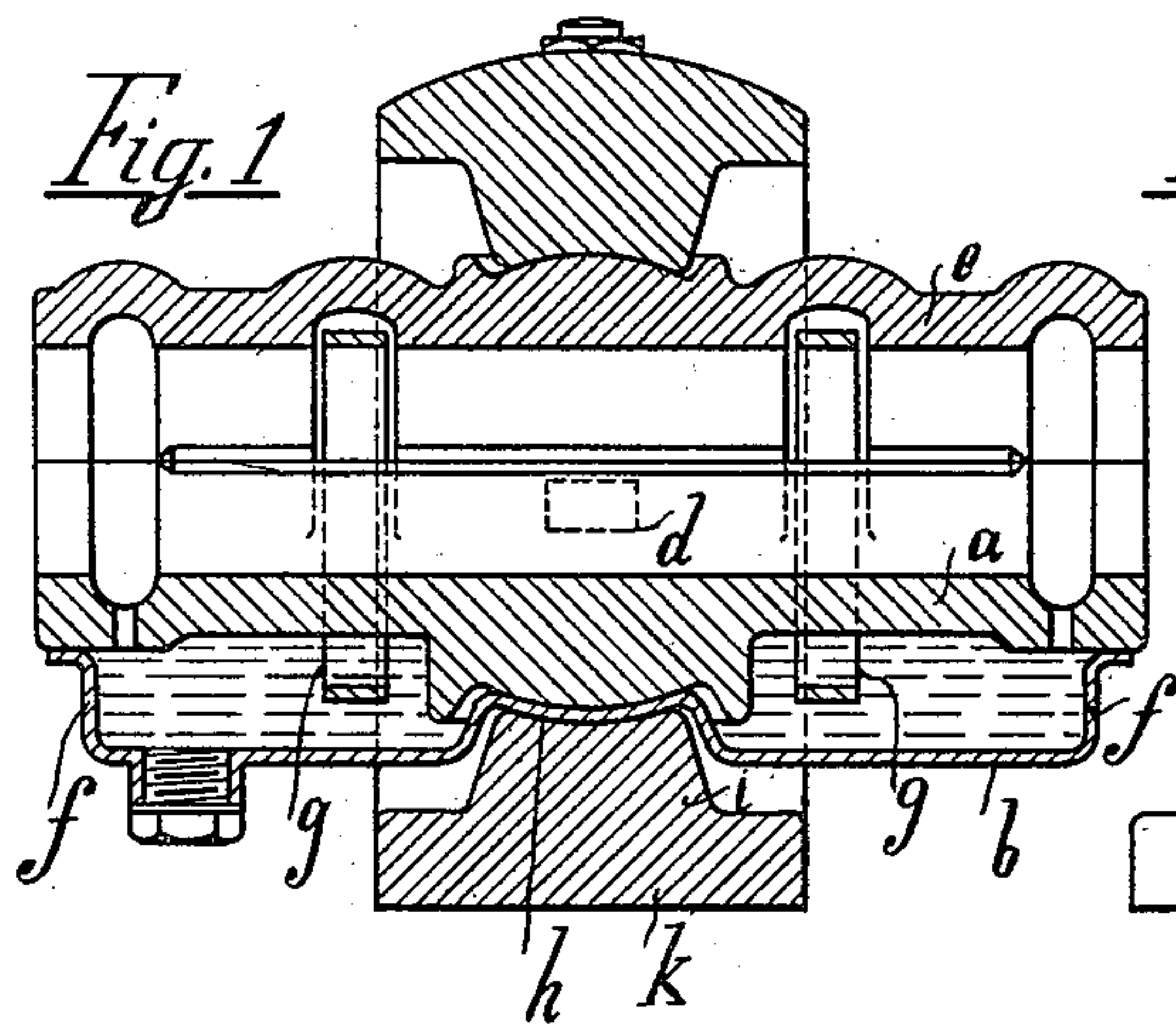
No. 659,677.

Patented Oct. 16, 1900.

K. KEYSSNER.
LUBRICATING BEARING.

(Application filed Jan. 13, 1900.)

(No Model.)



WITNESSES
Ella L. Gies
Isabella Waldron

INVENTOR
Karl Keyssner
BY
Richardson

ATTORNEYS

UNITED STATES PATENT OFFICE.

KARL KEYSSNER, OF NUREMBERG, GERMANY.

LUBRICATING-BEARING.

SPECIFICATION forming part of Letters Patent No. 659,677, dated October 16, 1900.

Application filed January 13, 1900. Serial No. 1,378. (No model.)

To all whom it may concern:

Be it known that I, KARL KEYSSNER, a subject of the Emperor of Germany, and a resident of Nuremberg, in the Kingdom of Bavaria and German Empire, have invented certain new and useful Improvements in Lubricating-Bearings, of which the following is a specification.

This invention relates to an improved annular lubricating-bearing having bearing-sections movable in a spherical bearing, which as compared with the ordinary forms of construction of bearings of this kind is characterized by the oil-chamber which serves for receiving the lubricant, consisting of a separate sheet-metal casing arranged on the lower bearing-section instead of forming, as hitherto, a portion of the said lower bearing-section. By this means the result is attained that on the one hand the under bearing-section itself is solid, and thereby more resistant and may be easier made by reason of its more simple form of construction, while on the other hand a suitable diminution of weight of the entire bearing is obtained.

This improved annular lubricating-bearing is shown in the accompanying drawings in Figures 1 to 4 as applied to a plumber-block.

An approximately-semicylindrical sheet-metal container *b*, preferably made by pressing, is arranged on the lower bearing-section *a*, said container entirely inclosing the said bearing-section at bottom and sides with a certain interval between them and being fixed by means of screws *c* on lugs *d* on the said section. The spaces formed in this manner between the bearing-section and the sheet-metal casing serve as oil-containers, the upper openings of which at each side are covered by the upper bearing-section *e*. At both ends of the bearing-cup the sheet-metal container or casing is provided with vertical ends

f, encountering the bearing-section, and thus forming a tight joint, so that the lubricating-ring *g*, which extends into the oil-container, cannot even with a rapid number of revolutions of the supported shaft produce any ejection of the oil from the oil-chamber.

On the under side of the sheet-metal casing the wall of the same is fitted to the center of the spherical surface *h* of the lower bearing-section and is retained between the latter and the spherical bearing *i* of the body or pillow *k* of the bearing, so that any dropping off of the oil-container through defective attachment is prevented.

The size, shape, and method of attachment of the sheet-metal casing *b* must of course be adapted to the actual arrangement and constitution of the bearing in each case and may of course be made differently from that shown in the drawings.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

In a lubricating device, the combination with the pillow or bearing *k* having upper and lower part-spherical bearing-surfaces and the axle-box having corresponding part-spherical bearing-surfaces, of a sheet-metal plate secured to the under side of said axle-box and forming a closed oil-chamber, said sheet-metal plate having a corresponding curved part passing between the lower contacting portions of the axle-box and pillow, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

KARL KEYSSNER.

Witnesses:

ANDREAS STICH,
OSCAR BOCK.