

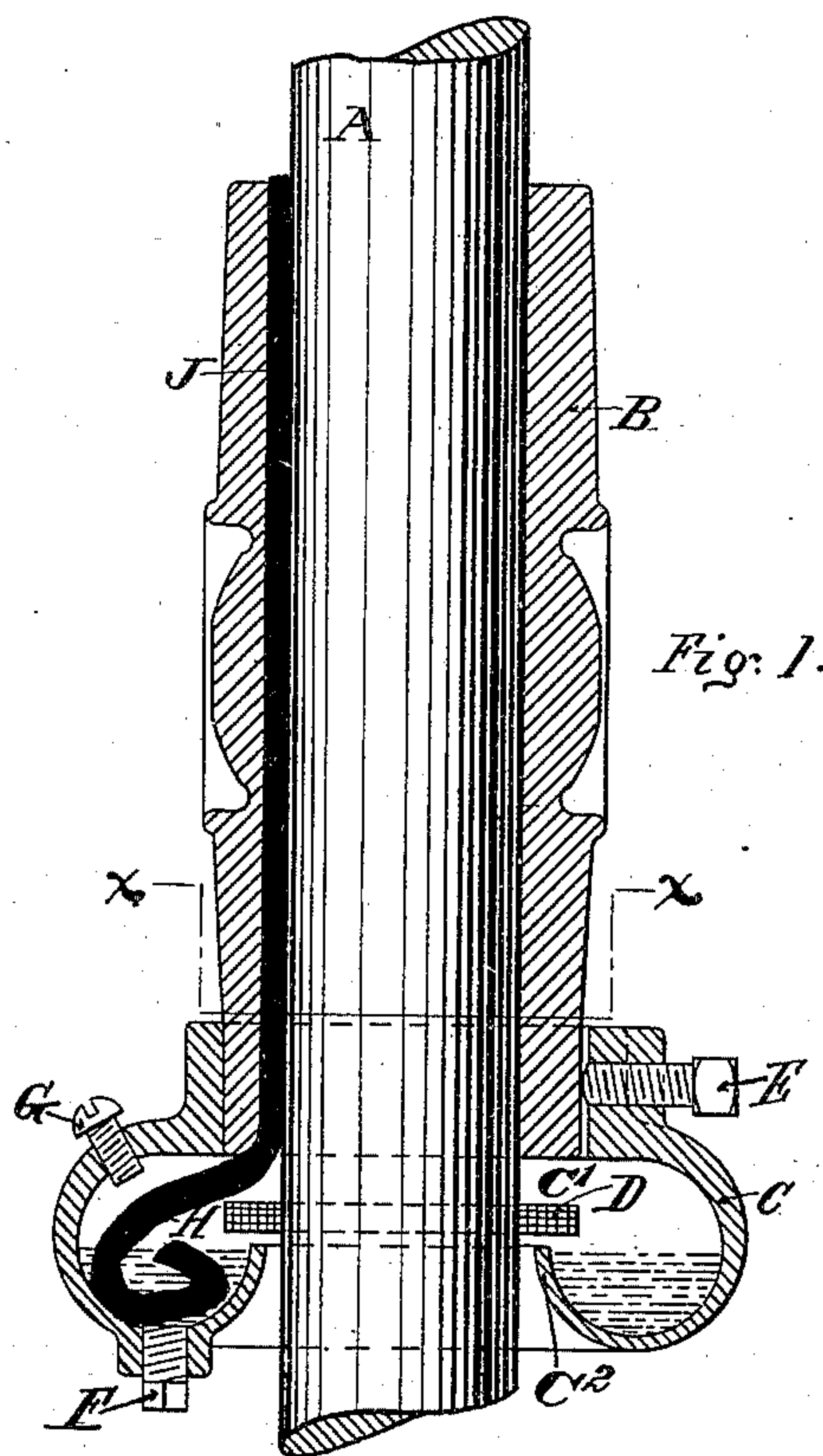
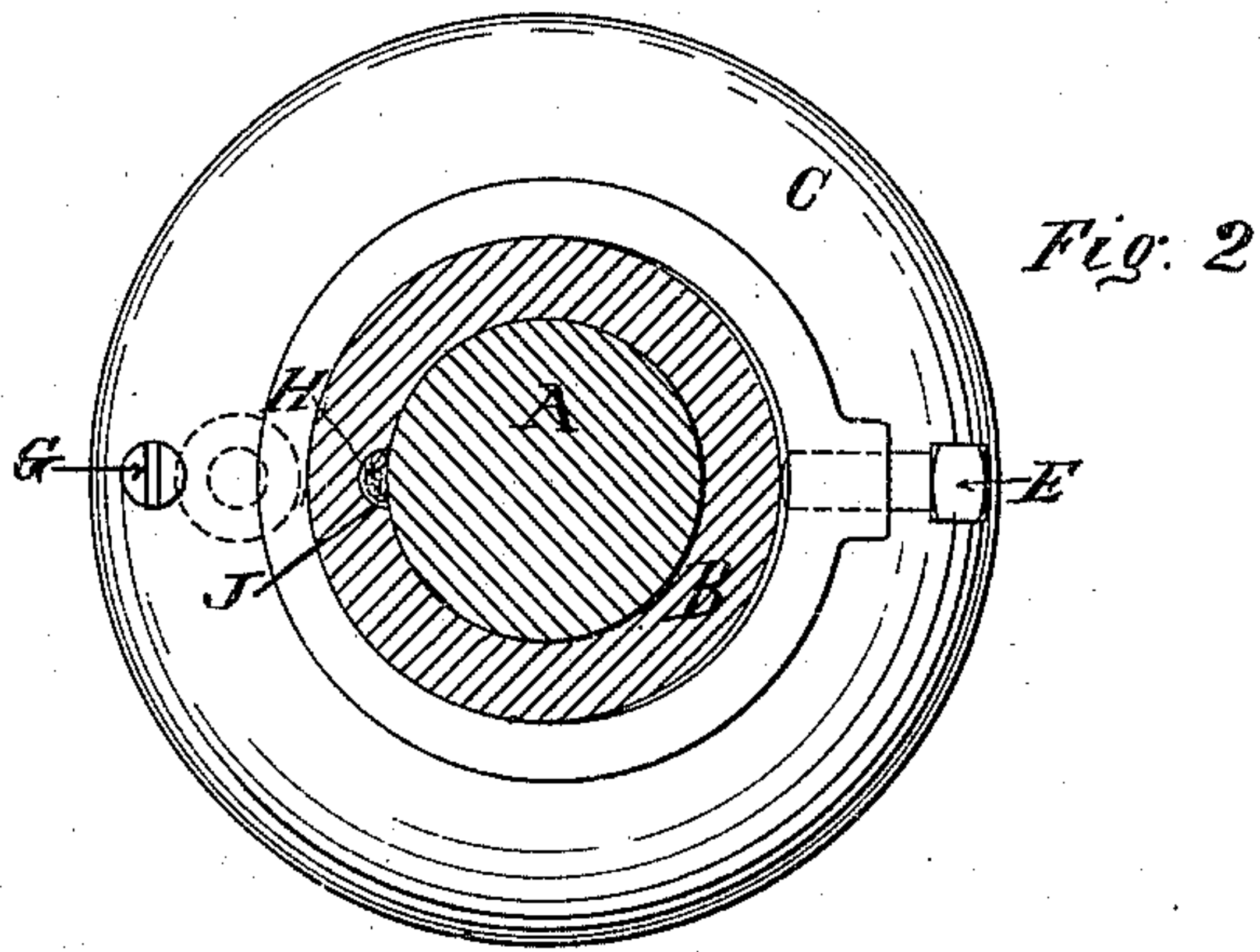
(No Model.)

A. C. PESSANO.

DRIP CUP AND SELF OILING ATTACHMENT FOR BEARINGS.

No. 335,840.

Patented Feb. 9, 1886.



WITNESSES:

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DRIP-CUP AND SELF-OILING ATTACHMENT FOR BEARINGS

SPECIFICATION forming part of Letters Patent No. 335,840, dated February 9, 1886.

Application filed December 31, 1885. Serial No. 187,248. (No model.)

To all whom it may concern:

Be it known that I, ANTONIO C. PESSANO, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Drip-Cups and Self-Oiling Attachments for Bearings, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a vertical section of a drip-cup and self-oiling attachment for bearings embodying my invention. Fig. 2 represents a horizontal section thereof in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of a drip cup adapted to prevent waste oil from escaping along shafting and being thrown into the apartment where the shafting is located, and also serves as a feed-cup, as will be hereinafter set forth.

Referring to the drawings, A represents a vertical shaft, and B the bearing thereof.

C represents a drip-cup, which freely encircles the shaft below the bearing B, and is secured to the latter by a screw, E, it being noticed that the cup is of the form of a segment of a circle in cross-section, leaving a mouth or opening, C', on the inner face at the upper partition thereof, or on the side toward the shaft.

Fixed to the shaft A is a collar or deflector, D, which is located below the bearing B, and overhangs the lower wall, C', of the mouth C'.

In lieu of the screw E for connecting the cup with the bearing, the cup and bearing may be cast together.

The cup is provided with screws or plugs F G, respectively for discharging and replenishing purposes.

It will be seen that when the shaft is in operation the waste oil therefrom reaching the collar D is forced by centrifugal action into the cup C, where it is collected, and thus prevented from escaping into the apartment.

In order to adapt the drip-cup as a feed-cup, I employ a piece, H, of wick, felt, or other absorbent material, and run the same through a groove or duct, J, on the inner face of the bearing and in contact with the shaft, the lower end of the material being located in the oil in the drip-cup, so that by capillary attraction said oil is fed to the bearing, and so lubricates the shaft.

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

1. A drip-cup encircling a shaft and adapted to collect waste oil from said shaft, substantially as described.

2. A drip-cup encircling a shaft below the bearing thereof and provided with a mouth on the side toward the shaft, so as to collect the waste oil therefrom, substantially as described.

3. A collar connected with a rotary shaft, in combination with a drip-cup which encircles said shaft, the collar being located adjacent to the mouth of the drip-cup, so as to direct waste oil from the shaft into the cup, substantially as described.

4. A drip-cup, in combination with a collar which is fixed to a rotary shaft and projects into said cup, substantially as described.

5. A shaft provided with a drip-cup, in combination with a bearing having a groove on its inner face, and a piece of absorbent material, whereby the shaft is lubricated, substantially as described.

6. A shaft provided with a drip-cup of the form of a segment of a circle in cross-section, leaving a mouth or inlet on the side toward the shaft, and containing a piece of absorbent material, which is passed to the shaft, forming a combined drip cup and feed, substantially as described.

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Witnesses:

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