

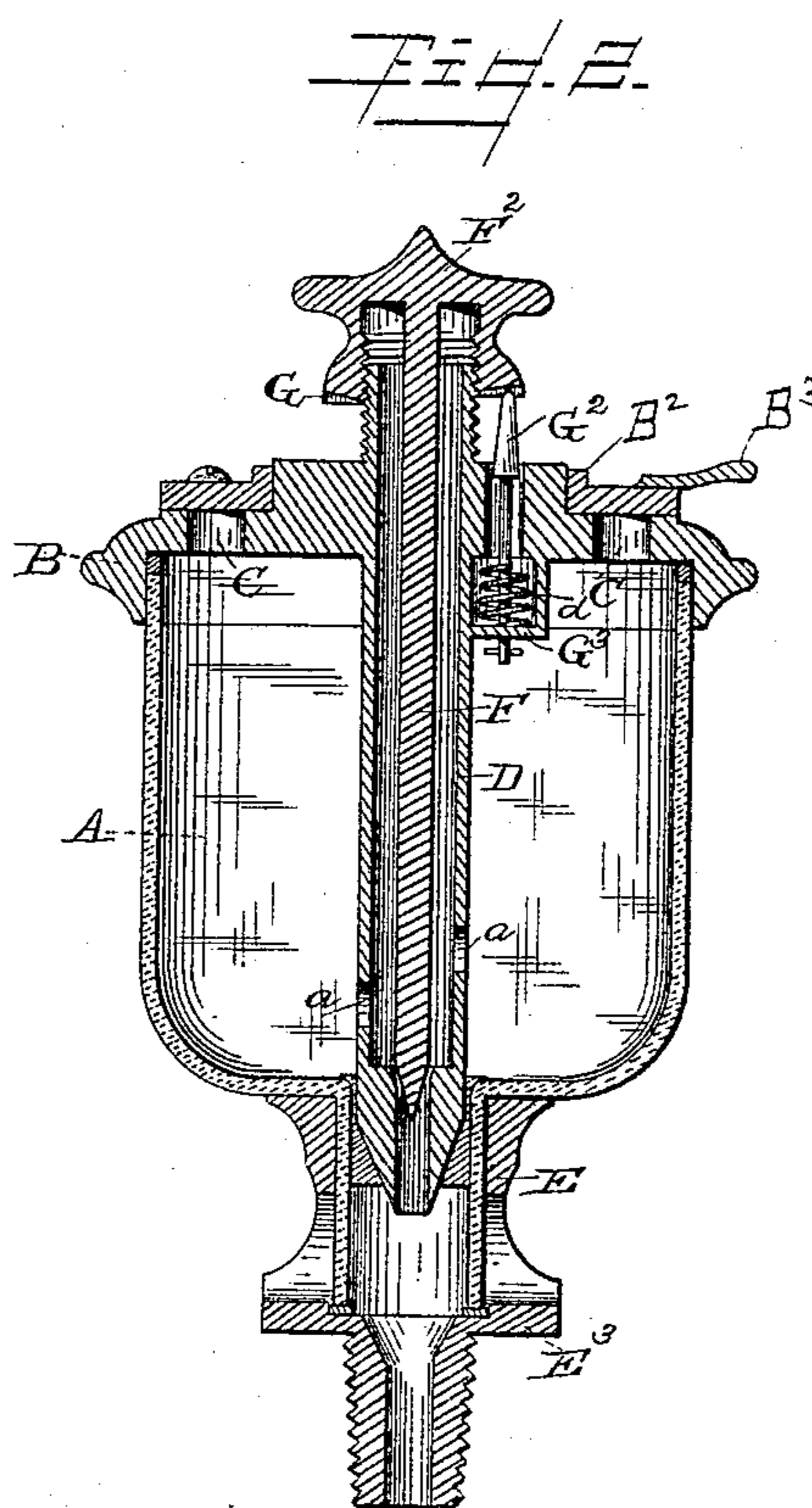
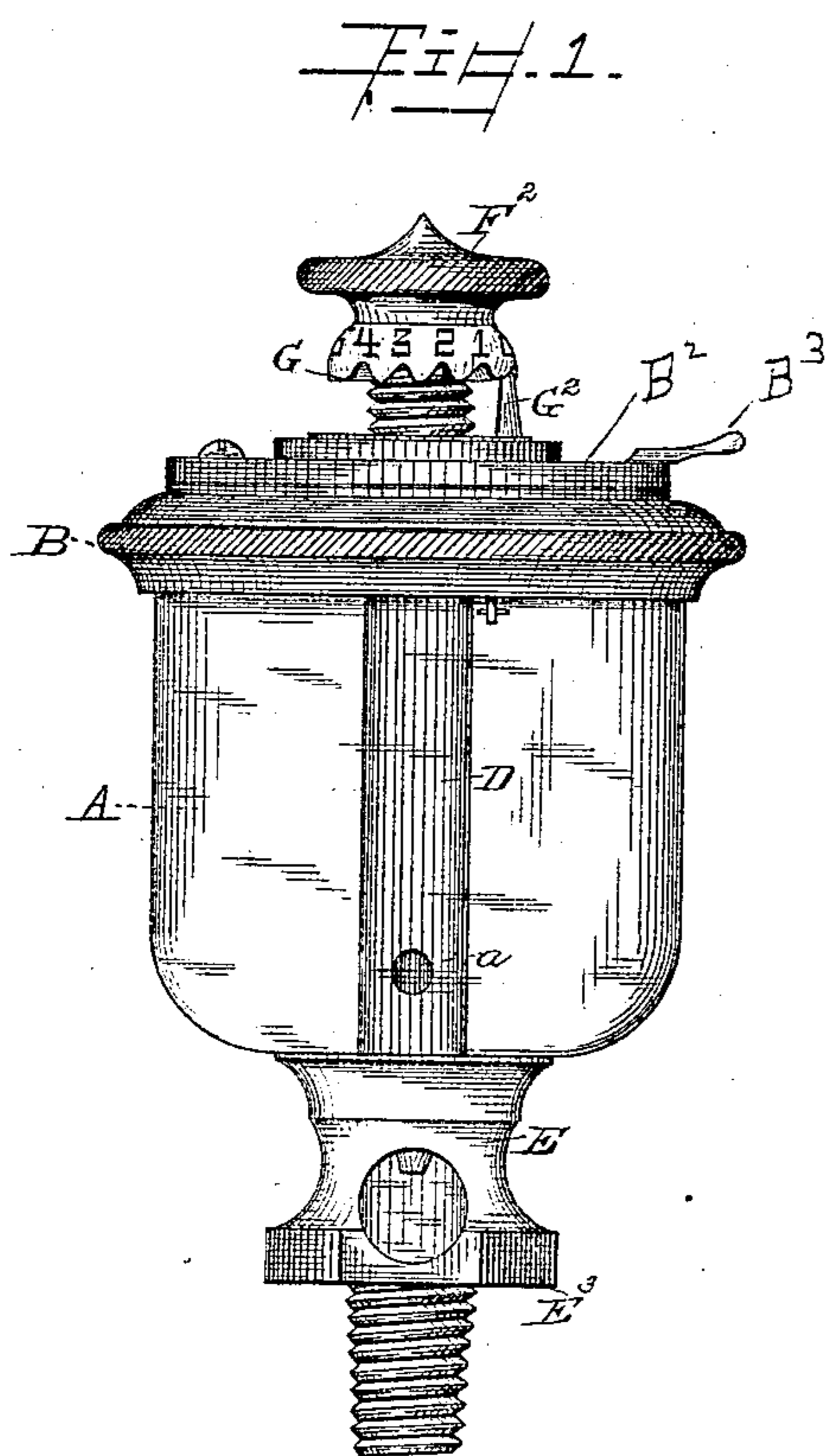
(No Model.)

C. H. NUNN.

OIL CUP.

No. 397,202.

Patented Feb. 5, 1889.



WITNESSES

Joseph H. Blackwood
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UNITED STATES PATENT OFFICE.

CHARLES H. NUNN, OF ROCHESTER, NEW YORK.

OIL-CUP.

SPECIFICATION forming part of Letters Patent No. 397,202, dated February 5, 1889.

Application filed October 23, 1888. Serial No. 288,952. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. NUNN, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Oil-Cups; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in that class of oil-cups or lubricators which are designed for use upon engines and other machinery, whereby by the opening and closing of a valve the flow of the oil may be regulated.

The invention has for its objects to provide an oil-cup of this class which will be so constructed as to admit of the use of either light or heavy oils, and which will operate with the same reliability when in either a stationary or a moving position, which may be quickly and easily filled, and in which the feed may be adjusted at will.

To these ends and to such others as the invention may pertain the same consists in the peculiar combinations, and in the novel construction, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side view of an oil-cup constructed in accordance with my invention. Fig. 2 is a vertical central section of the same.

Reference now being had to the details of the drawings by letter, A designates the cylinder or body of the cup, which may be constructed of either glass or metal, and may be of any suitable and well-known form of construction.

B is a cap or cover for the oil-chamber. This cover is provided with one or more filling-apertures, C.

B² is a supplemental cover surrounding the raised central portion of the cap B. This cover is provided with a handle, B³, and serves when properly turned to close the filling-apertures C in the cap.

D is a hollow tube passed centrally through the central portion of the chamber, and is provided near its lower end with one or more openings, a, for the admission of the oil to the tube. If for any reason it should be thought desirable, the tube D may be cast integral with the cap. This construction I have shown in Fig. 2 of the drawings. The lower end of this tube D, which terminates within the central portion of the base E, is narrowed or contracted, as shown, and a glass-covered peep-hole is provided in the base E, through which the flow of the oil may be observed. The plug E³ is cast integral with the base, by means of which and of the screw-thread thereon the cup may be secured in place.

The upper end of the tube D is extended through the cover B, and is screw-threaded.

F is the valve-stem, the lower end of which is provided with a taper corresponding with that of the lower end of the tube, and the upper end of the stem is provided with a suitable cap or operating-button, F², which is adapted to be screwed down over the upper end of the tube D. The lower edge of the cap F² is in the form of a cam, as shown, and this cam-surface is provided with a series of notches, as shown at G.

G² is a vertically-operating spring-actuated catch seated within a suitable chamber, G³, formed upon the lower face of the cover B. This catch is forced upward and is held normally in a raised position by the tension of the spiral spring d within the chamber G³.

The cap or button F² is provided with a roughened or serrated edge to facilitate its being operated. The position and arrangement of the notches provided upon the depending lower cam-edge of the cap are adapted to engage the upper end of the spring-actuated catch G², and are so graduated as to admit of a flow of a predetermined amount of oil to the bearings within a specified time, this predetermined amount being indicated by figures or characters arranged in the form of a scale upon the periphery of the cap above the notches, as shown.

Having thus described my invention, what I claim to be new is—

5 The herein-described oil-cup, comprising, in combination, an oil-chamber provided with a central vertical tube formed near its lower
10 end with apertures for the passage of oil from the chamber, and having its lower end contracted, a valve-stem within said tube having its lower end contracted to fit the contracted lower end of the tube, and its upper end provided with a cap the depending lower edge of which is cam-shaped and provided with a series of notches and a corresponding series of

indicating-characters, and a vertically-moving spring-actuated catch seated within a chamber formed in the cover of the oil-chamber and adapted to engage the notches in the cap upon the valve-stem, substantially as and for the purpose described. 15

In testimony whereof I affix my signature in presence of two witnesses. 20

CHARLES H. NUNN.

Witnesses:

F. A. MADDEN,
SPENCER MILLER.