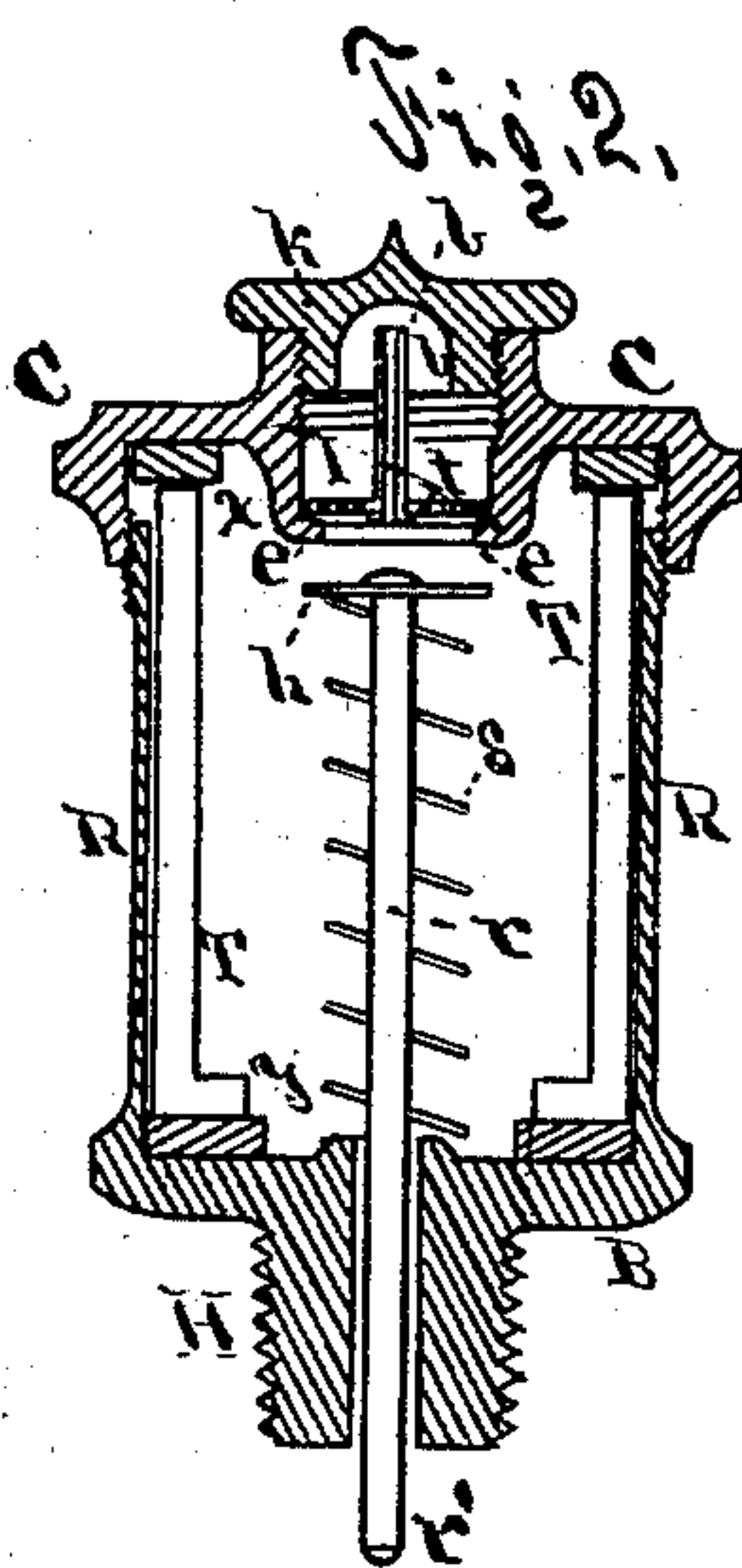
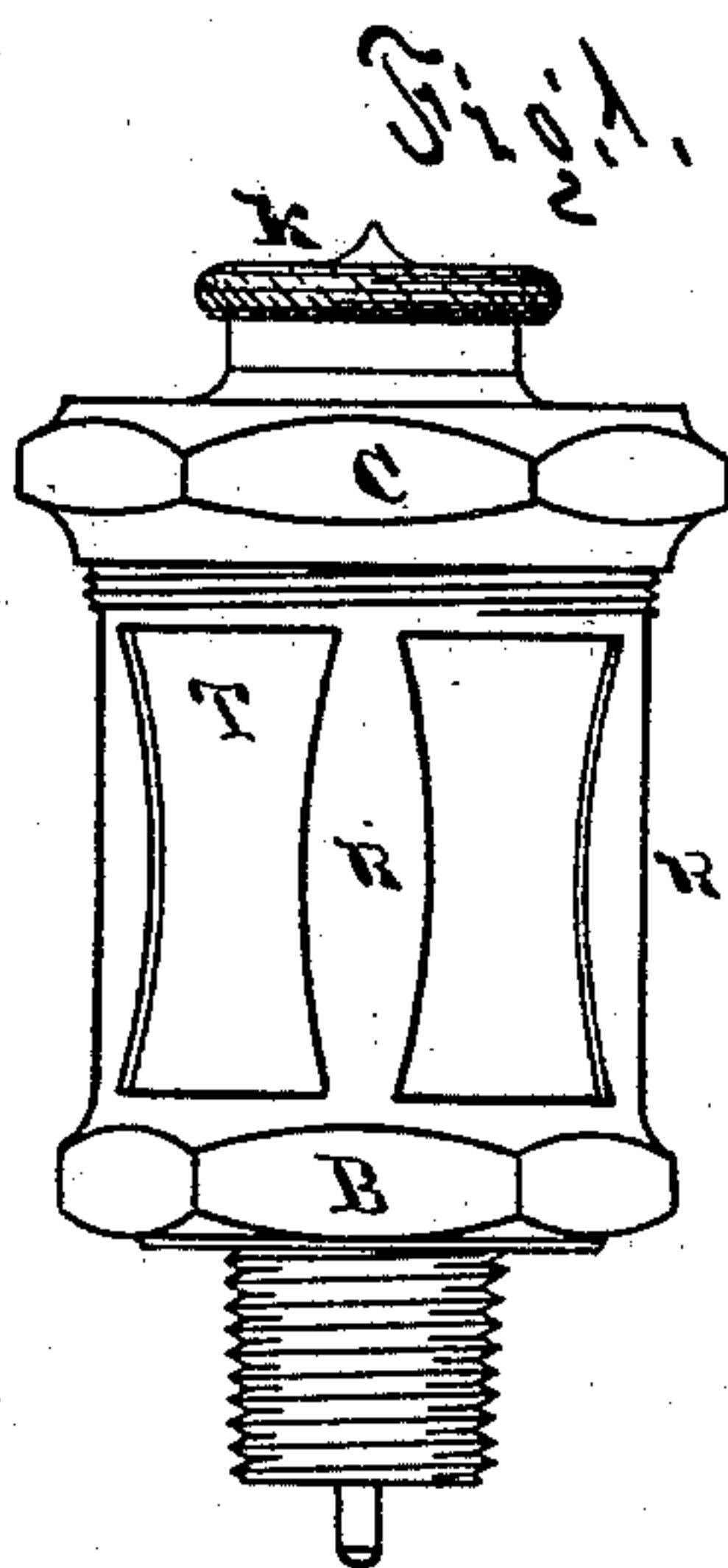


J. G. McBRIDE.
Oil-Cup.

No. 221,928.

Patented Nov. 25, 1879.



Witnesses,
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James Wilson.

Inventor:
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UNITED STATES PATENT OFFICE.

JOHN G. McBRIDE, OF SACRAMENTO, CALIFORNIA.

IMPROVEMENT IN OIL-CUPS.

Specification forming part of Letters Patent No. **221,928**, dated November 25, 1879; application filed August 27, 1879.

To all whom it may concern:

Be it known that I, JOHN G. McBRIDE, of the city of Sacramento, State of California, have invented a new and useful Improvement in Oil-Cups, of which the following is a specification.

The invention relates to that class of oil-cups used for journals and bearings where a constant and uninterrupted flow of oil is required.

The invention consists in the use of a spring to support the feeding-wire and prevent its bearing upon the journal.

In the accompanying drawings, Figure 1 is an elevation of an oil-cup embodying my invention. Fig. 2 is a sectional elevation of the same.

The oil-cup is of that class formed by using a glass tube, T, and confining it between the metallic top C, rim R, and bottom B. The rim R is made a part of the bottom B, and the top C is screwed to the rim R, thus confining the glass T between the metallic parts, and creating an oil-tight cup inside of the glass T, and between the top C and bottom B. Fig. 2 shows soft washers *x* and *y*, that intervene between the glass and the metal.

The top C is provided with an opening, I, into which the cap *k* is screwed. When *k* is removed the oil can be poured into the cup through said opening I. The bottom part of the opening is provided with a strainer, *t*, which can be made of gauze or of perforated material, and I place in the center of the strainer an air-tube, *b*, which answers two purposes. One is to let the air up out of the cup while oil is being poured in through the strainer *t*, and the other is that *b* can be used

as a handle to lift the strainer out by when it requires cleaning. The lower part of the opening I is provided with a small step or internal bead, *e*, upon which the strainer can rest and be prevented from falling down into the oil-cup.

The second part of my invention consists in providing the rod or wire *r*, which is used with a disk-head, *h*, with a spiral wire spring, *s*, made very light and to rest upon the bottom B, and press up against the head *h*. The object of the spring *s* is to just support the weight of the wire *r*, so as to prevent its lower end, *r'*, from wearing a groove in the journal of the bearing to which the cup is attached. The object of the disk-head *h* is to present a large surface, so that the oil and air in the cup will prevent the head *h* from bobbing up and down, so as to prevent the rod at *r'* from being upset or battered against the journal, and so that it will strike against the step *e*, and not hit the strainer *t*.

What I claim as new is—

1. The rod *r*, provided with the broad disk-head *h*, in combination with the spring *s*, resting upon the base B, and supporting the rod *r*, substantially as and for the purpose set forth.

2. The oil-cup consisting of the metal parts B R C *k*, and the glass tube or vessel T, provided with the elastic washers *x y*, and having the strainer *t*, tube *b*, rod *r*, provided with the broad head *h*, and spring *s*, arranged and operating substantially as described.

JOHN G. McBRIDE.

Witnesses:

ELISON V. BUCKLEY,
JAMES WILSON.