(No Model.)

J. W. FENNER.

OIL CUP.

No. 272,379. Patented Feb. 13, 1883.

Fig. 1.

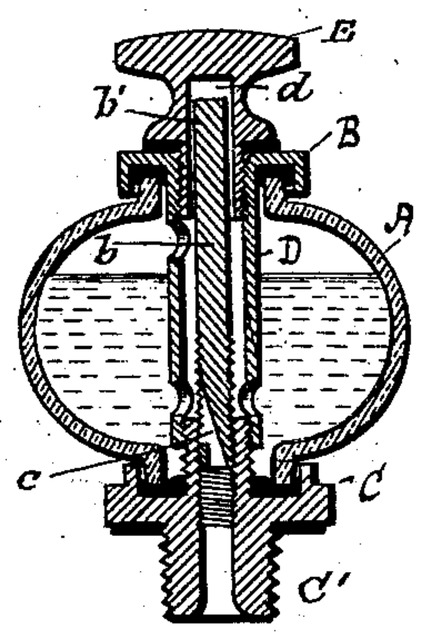


Fig. 2.

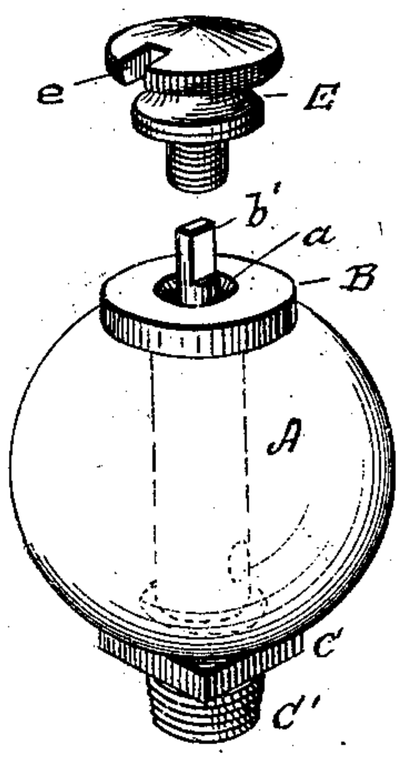
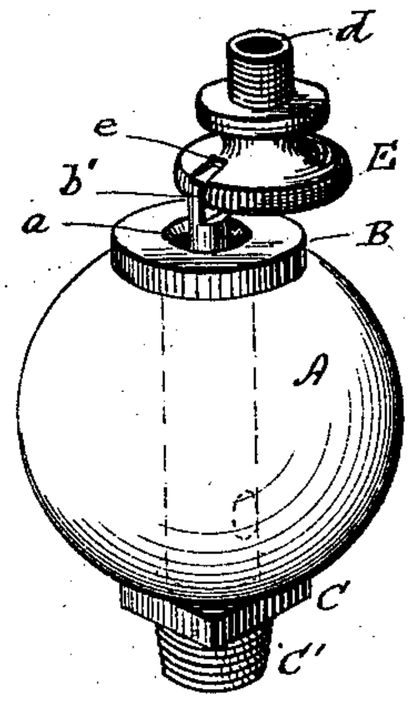


Fig. 3.



Witnesses.

Robert Everett.

Walter Blandford

Inventor.

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UNITED STATES PATENT OFFICE.

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OIL-CUP.

SPECIFICATION forming part of Letters Patent No. 272,379, dated February 13, 1883.

Application filed January 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. FENNER, of Cleveland, in the State of Ohio, have invented a certain new and useful Improvement in Oil-Cups, of which the following is a specification.

My invention is directed to an improved construction of oil-cups, whereby I provide said oil-cup with means by which the device for regulating the feed or supply of oil to the part to be lubricated can readily be adjusted.

The oil-cup in which my invention is embodied is one that is filled through the opening in the top, closed by a knob or stopper. The stem of the adjustable device for regulating the oil-feed is accessible through this opening; and I form the knob or stopper in such a manner that when removed from the opening it can be used as a key or handle to turn in one direction or the other the regulating-stem, the end of which is formed to engage a slot or its equivalent in the said stopper or knob.

The nature of the improvement and the manner in which the same is or may be carried into effect will be readily understood by reference to the accompanying drawings, in which—

Figure 1 is a vertical central section of an oil-cup embodying my invention. Fig. 2 is a view of the cup and stopper or knob detached from one another. Fig. 3 is a view of the parts in the position they occupy when the knob or stopper is used as a key or handle.

A is the glass body of the oil-cup, and B C are its top and bottom metal caps, connected by the interior central metallic tube, D, in the usual way. The tube is provided, as customary, with side holes, through which the oil enters and leaves the glass receptacle A. The cup has a screw-threaded filling-opening, *a*, in the top cap, which communicates with the tube D, and is closed by the screw knob or stopper E. Within the tube D is the regulating screw-stem *b*, which screws into the discharge-nozzle of the cup, and is provided with the oil-escape passage *c*, which is closed more or less, according to the extent to which the stem is screwed down, in this way regulating and graduating the supply of oil which passes off through the escape outlet or nozzle. The lower cap has a screw-stem, to screw into the bearing or other part to be lubricated.

The general arrangement and mode of operation of the parts thus far described are well known and require no special description. I come now to the features in which my improvement resides.

The upper end of the oil-feed-regulating stem extends up through the filling-opening *a*, and is squared, or made of an angular or equivalent form, as indicated at *b'*. The screw stopper or knob E is made tubular for a portion of its length from its inner end, as indicated at *d*, so that it may be screwed down into place into the opening *a* without interfering with or engaging the stem *b*. In the external portion of the knob is formed a slot, *e*, which is preferably made in one edge of the flanged head of the knob, and is of a size and shape to receive the squared end *b'* of the stem. Thus when it is desired to adjust the regulating-screw so as to increase or decrease the discharge of oil the stopper or knob is unscrewed and removed from the opening *a*. It is then reversed, or turned end for end, and its slotted part *e* is applied to and fitted on the squared end *b'* of the stem *b*, and the latter can then be turned in either direction, as desired, the stopper constituting a key by which the desired adjustment can be readily and effectively accomplished. In lieu of the slot *e*, I can provide the head with a socket or an equivalent device, whereby it will be capable of engaging the stem. I prefer, however, the slot.

I remark, in conclusion, that the mechanism for regulating the discharge of oil may vary from the special form shown, so long as it retains the stem part *b'*, adapted to engage and be turned by the key-knob, as hereinbefore indicated.

Having described my improvement, what I claim, and desire to secure by Letters Patent, is—

The combination, with the oil-cup provided in its top with a filling-opening, of the oil-

discharge-regulating stem having a square or angularly-formed head or upper end projecting up through said filling-opening, and the key knob or stopper provided externally with a slot or its equivalent, whereby said key knob or stopper is adapted to engage and turn said regulating-stem, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 11th day of January, 1883.

JAMES W. FENNER.

Witnesses:
H. B. SEYMOUR,
IRVING A. BROWN.