

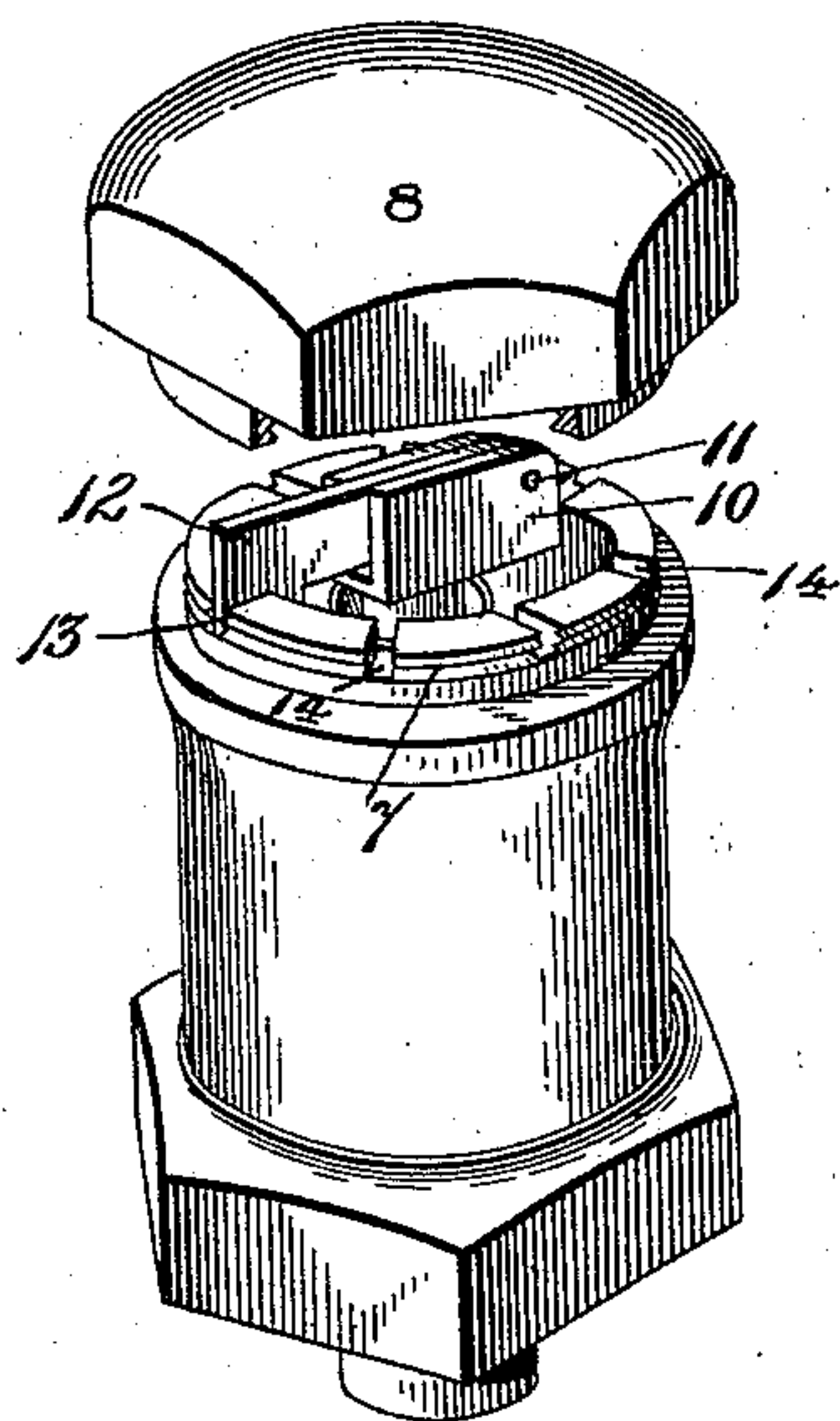
(No Model.)

J. R. STINE.  
LUBRICATOR.

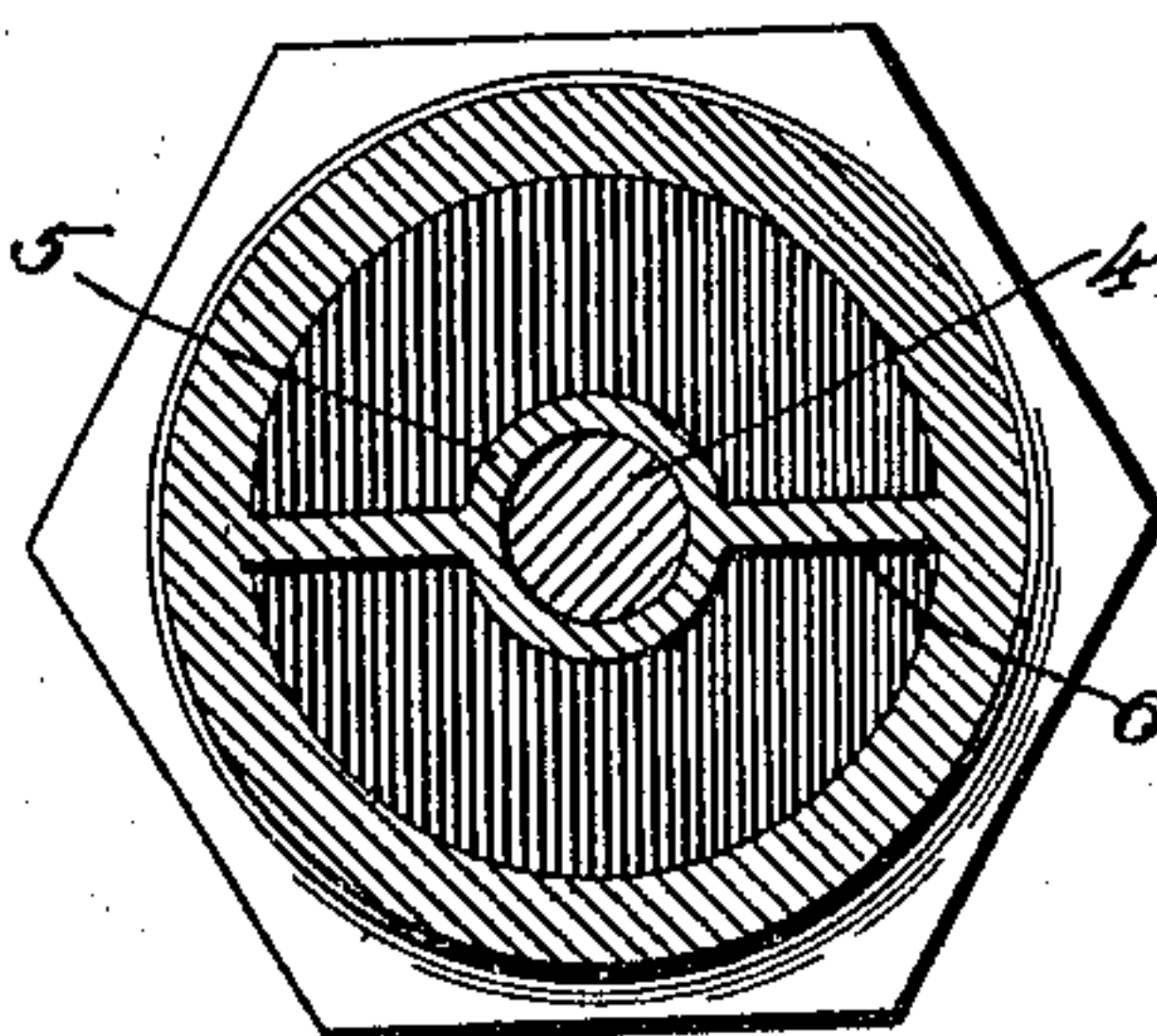
No. 577,180.

Patented Feb. 16, 1897.

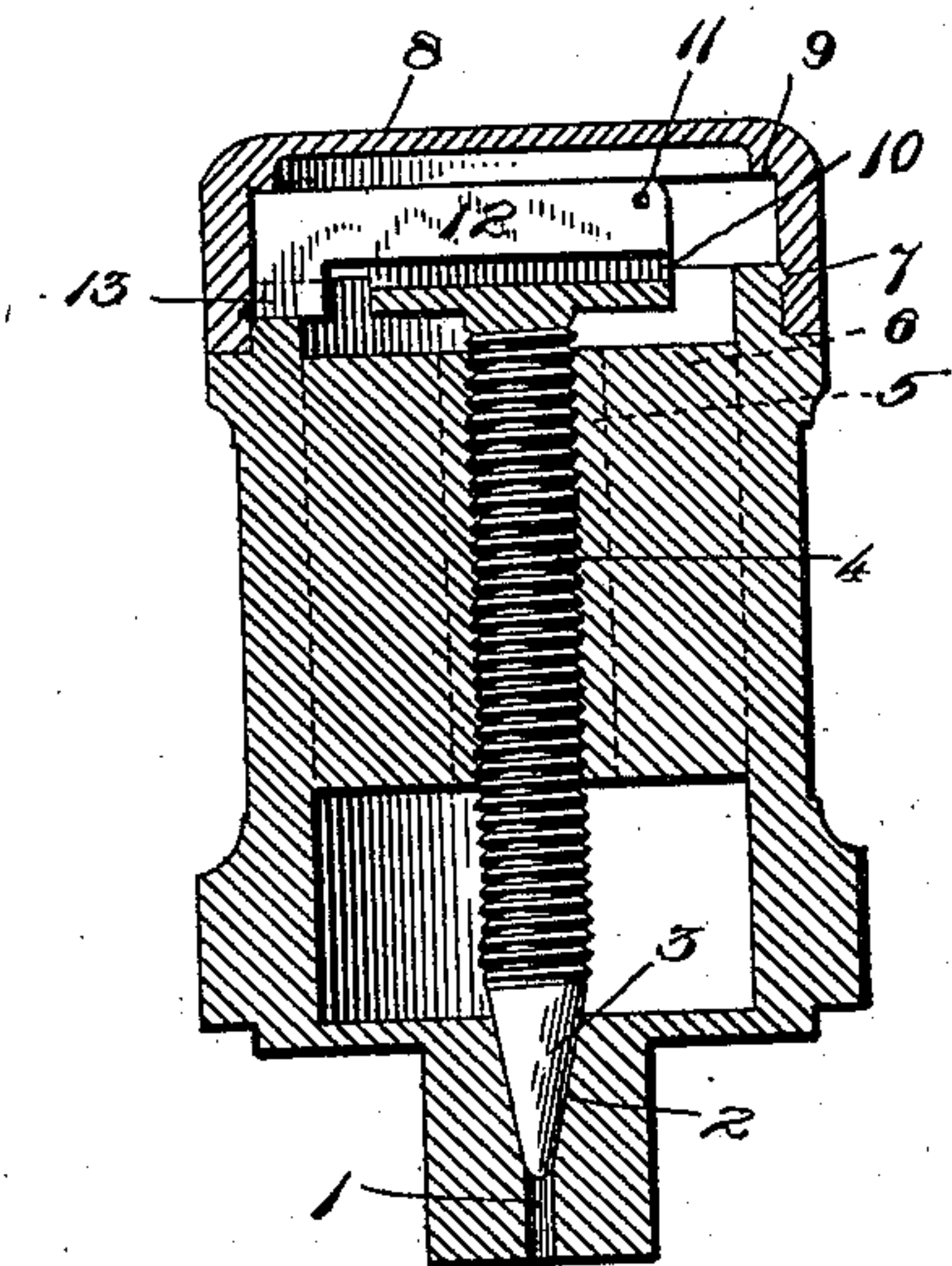
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



Inventor  
*James R. Stine*

Witnesses

*T. L. Mearns*

By *H. S. Attorneys,*

*[Signature]*

*Chas. Snow*



# UNITED STATES PATENT OFFICE.

JAMES RICHARD STINE, OF OGDEN, UTAH.

## LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 577,180, dated February 16, 1897.

Application filed November 14, 1896. Serial No. 612,079. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES RICHARD STINE, a citizen of the United States, residing at Ogden, in the county of Weber and State of Utah, have invented a new and useful Oil-Cup, of which the following is a specification.

My invention relates to oil-cups, and has for its object to provide simple and improved means for securing the controlling-valve at the desired adjustment, and, furthermore, to provide means whereby the application of the cover to the oil-cup is prevented except when the locking means are in their proper positions.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of an oil-cup constructed in accordance with my invention. Fig. 2 is a vertical central section of the same. Fig. 3 is a transverse section.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The oil-cup is provided at its lower end with a feed-opening 1, having a conical valve-seat 2, in which is adapted to be fitted the conical controlling-valve 3, having a threaded stem 4. This stem is fitted in a socket 5, supported by a bridge 6, which is integral with the shell of the cup. Upon a reduced threaded extension 7 at the top of the shell is fitted a screw-cap 8, provided near its upper closed side with an inwardly-extending shoulder 9.

The threaded stem of the valve terminates at its upper end in a bifurcated or slotted head 10, and in the slot is pivoted, as at 11, a latch 12, provided with a pendent terminal tongue 13 for engagement with one of a series of notches or kerfs 14, formed in the upper edge of the shell. The depth of this latch is such that when the tongue 13 thereof is seated in one of the notches or kerfs 14 the shoulder 9 of the cap is in contact with the back or upper edge of the latch to hold the latter from displacement by jarring. This shoulder, when taken in connection with the coöperat-

ing parts of the device, also performs the additional function of preventing the threading of the cap upon the reduced extension 7 unless said latch is terminally seated in one of the notches. In other words, the threaded portions of the cap and extension 7 do not exceed the notches or kerfs in depth, whereby when the latch is arranged with its pendent tongue 13 upon the upper edge of said reduced extension 7 the contact of the shoulder 9 with the back or upper edge of the latch prevents the engagement of the threads on the cap with those on the extension. Hence unless the latch is properly seated the cap or cover cannot be applied to the oil-cup, and the fact that the cap or cover cannot be applied is an indication to the operator that the latch is not properly seated, and hence that the engagement thereof with one of the notches has not been accomplished.

In practice I prefer to construct the notches of, say, five thirty-seconds of any unit of depth, while the reduced extension 7 may be three-eighths of the unit, whereby the cap will not seat unless the latch is in one of the notches.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

1. An oil-cup having a controlling-valve provided with a threaded stem, a latch pivotally mounted upon the stem of the controlling-valve and adapted to engage one of a plurality of notches or kerfs in the upper edge of the cup, said cup being exteriorly threaded, and a cap interiorly threaded to engage the exterior threads of the cup and provided with an interior shoulder to engage the back or upper edge of said latch, the depth of the notches or kerfs in the cup being approximately equal to the depth of the threaded portion of the cup, whereby when the latch is not seated in one of said notches or kerfs the cap is held from engagement with the threads of the cup, substantially as specified.

2. An oil-cup having a controlling-valve provided with a threaded stem, a latch ful-

crummed upon the stem and adapted to engage one of a plurality of notches or kerfs in the upper edge of the cup, and a cap threaded upon the cup to cover said latch, and provided  
5 with a shoulder to bear against the back or upper edge of the latch and hold it seated in one of the notches or kerfs, the relative depths of the notches and the threaded portions of the cap and cup being such that when the  
10 latch is not seated the cap is held from en-

gagement with the cup, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JAMES RICHARD STINE.

Witnesses:

M. D. LESSENGER,  
R. FORD.