

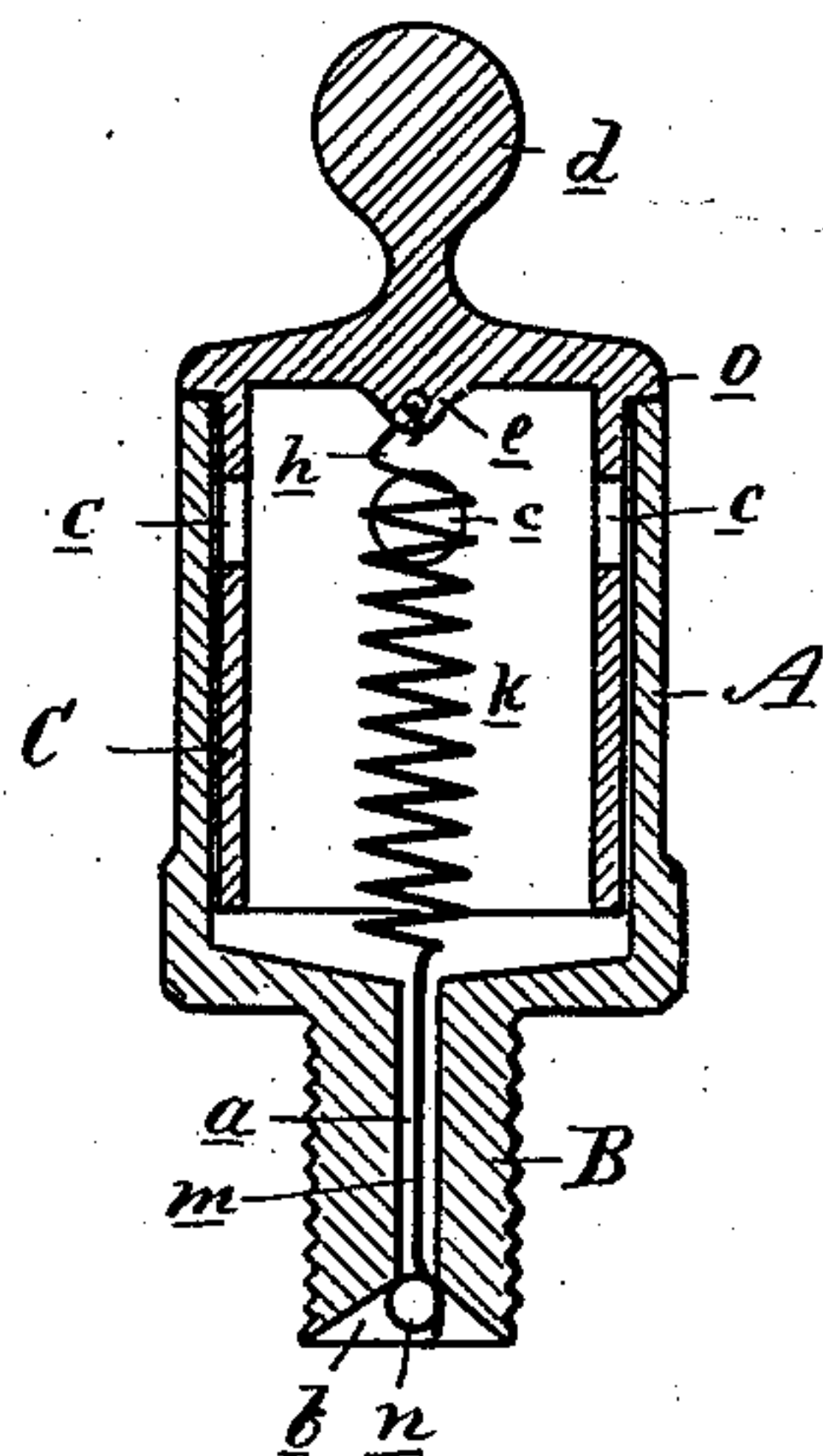
(No Model.)

J. M. SMYTH.

OIL CUP.

No. 365,547.

Patented June 28, 1887.



Attest:

John Schuman.

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Inventor:

John M. Smyth.

by his Atty

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UNITED STATES PATENT OFFICE.

JOHN M. SMYTH, OF WINDSOR, ONTARIO, CANADA, ASSIGNOR OF ONE-HALF TO CORNELIUS C. MCGLOGAN, OF DETROIT, MICHIGAN.

OIL-CUP.

SPECIFICATION forming part of Letters Patent No. 365,547, dated June 28, 1887.

Application filed November 4, 1886. Serial No. 217,962. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. SMYTH, of Windsor, in the county of Essex and Province of Ontario, Canada, have invented new and useful Improvements in Oil-Cups; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification.

10 This invention relates to certain new and useful improvements in oil-cups.

The invention consists in the peculiar construction and combination of parts, as more fully hereinafter described.

15 In the accompanying drawing, which forms a part of this specification, my invention is shown in central vertical section, wherein—

20 A represents a cylindrical cup terminating in a central plug, B, which is threaded, as shown, on its outer surface, and it has an orifice, *a*, through such stud, the lower end of which is enlarged, as shown at *b*.

25 C is another cylinder fitting closely within the cup A, and near its upper end its walls are provided with perforations *c*. The top of this cylinder C is closed, and terminates in a central handle or knob, *d*, immediately below which, and projecting into the cylinder, is the stud *e*, having a hole therein, through which 30 is engaged the end *h* of the coil-spring *k*, the other end of which terminates in a straight wire, *m*, which passes down through the orifice or hole *a* in the central plug, B, into the enlargement *b* thereof, when a band or coil, *n*, 35 is formed on the end of said wire to retain the spring in place and hold the parts together when in place. To fill this cup with oil, the operator lifts the cylinder C (the cup A being secured to place by means of its threaded

plug B) until the openings *c* are disclosed 40 above the upper end of the cup A, when oil is poured through such openings until such cup is filled. On releasing the lifting force the contraction of the spring closes the cylinder C against the admission of air, the shoulder-flange *o* fitting closely upon the top of the cup A for that purpose. It will be seen that 45 by this construction the cap of the oil-cup never can be accidentally removed or lost, as the action of the spring is always to hold it in place, and that the cap or inner cylinder may be turned around without danger of twisting off the spring.

What I claim as my invention is—

1. An oil-cup consisting of two cylinders, 55 the one closely fitting inside the other and forming a cap thereto, such two cylinders being secured together by a coil-spring, one end of which is secured to one of the cylinders and the other to the fellow cylinder, all combined substantially as described. 60

2. An oil-cup consisting of the following elements: a cup, A, having a threaded stud, B, projecting from the bottom thereof, which stud is provided with a vertical orifice terminating in a cup-shaped enlargement, *b*, a 65 perforated cylinder, C, fitting closely within such cup, and provided with a knob, *d*, and a stud, *e*, and a coil-spring, *k*, one end of which is secured to said stud *e*, and the other within 70 the cup-shaped enlargement *b* in the stud B, the parts being constructed, combined, and operating as and for the purposes specified.

JOHN M. SMYTH.

Witnesses:

H. S. SPRAGUE,
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