(No Model.)

M. F. NESTER.

LUBRICATOR.

No. 516,104. Patented Mar. 6, 1894.

Fig. 1.

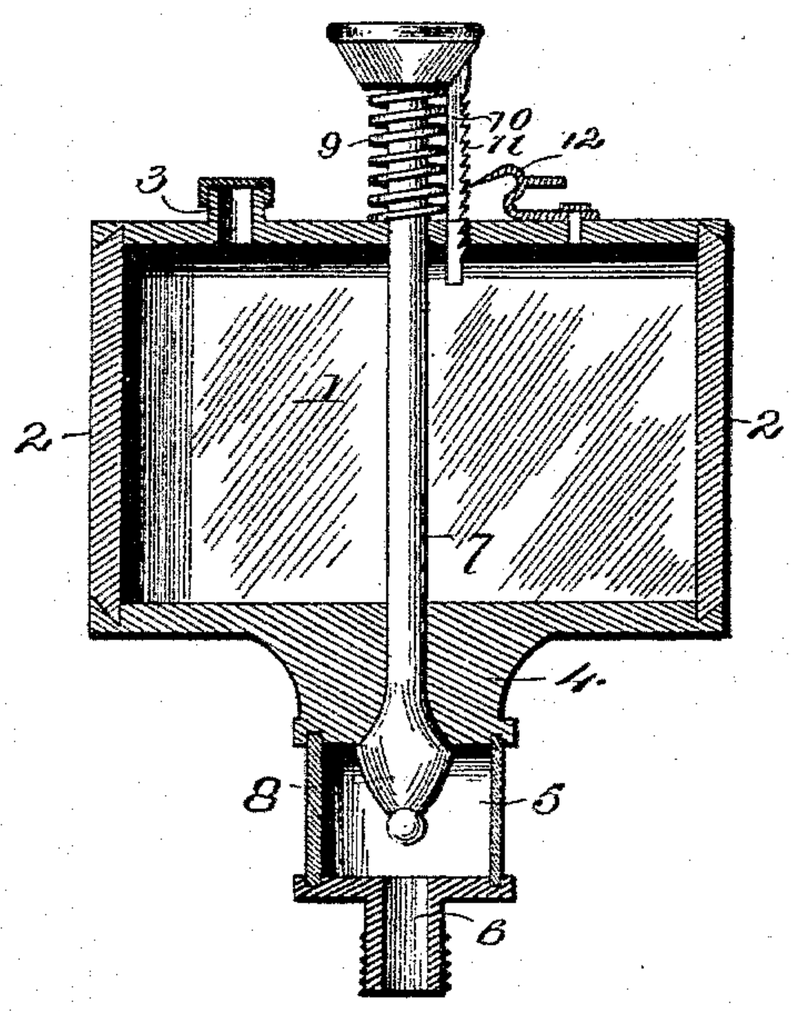
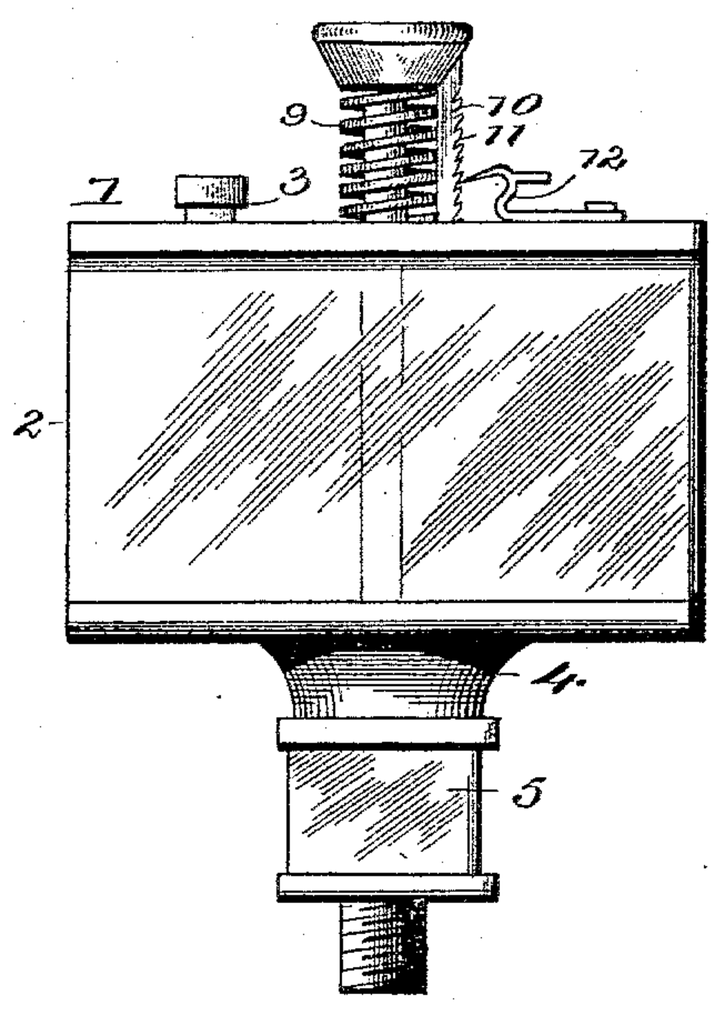


Fig. 2.



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LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 516,104, dated March 6, 1894.

Application filed November 16, 1893. Serial No. 491,153. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL FRANCIS NESTER, a citizen of the United States, and a resident of Camden, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Oil-Cups; and I do hereby 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.

This invention relates to an oil cup, and has for its object to provide simple and effective means for producing a regulable feed of the oil and also to avoid employing interior mechanism which will become clogged and filled with dirt and other matter from the oil.

With these and other objects in view the invention consists of the construction and arrangement of the several parts which will be more fully hereinafter described and claimed.

In the drawings:—Figure 1 is a transverse vertical section of an oil cup embodying the invention. Fig. 2 is a side elevation of the same.

Similar numerals of reference are employed to indicate corresponding parts in both the views.

Referring to the drawings, the numeral 1 designates the oil cup proper or body, which is square and provided with two transparent or glass sides 2, and an upper filling vent or opening 3.

Secured to the central lower portion of the said body is a metallic collar 4, with an opening therethrough, and communicating with a receiving chamber 5, of a form similar to that of the body 1, and supplied with glass sides, the bottom of said receiving chamber having an opening 6 therein, aligning with a hollow screw tap, which is secured over the journal or shaft to be lubricated.

Extending centrally through the body 1 and the collar 4, is a valve stem 7, with a lower valve in the form of a bulb or enlargment 8, the opening in the said collar and the upper portion of the receiving chamber being of such contour as to correspond to the shape of the lower portion of the said valve stem and the said bulb or enlarged portion of the said valve stem being employed to produce a dropping action of the oil. The upper end of the valve stem 7 is supplied with a head 8, and between the said head and the top of the body 1, is located a coiled or other spring 9, which normally holds the valve stem elevated and closes the opening in the said collar 4 and the upper portion of the receiving chamber to thereby prevent the oil from being fed, or allowed to escape from the said body when desired. Secured to one side of the head 8, is a ratchet bar 10, having upwardly extending teeth 11, said ratchet bar being movable in an opening in the top portion of the body 1, and arranged parallel with the valve stem 7. Adjacent to the said ratchet bar and secured to the top of the said body 1 is a spring pawl 12, which is adapted to engage the teeth of the ratchet bar to hold the valve stem downward to feed the oil from the body as found desirable and the said spring pawl is supplied with an operating handle or knob, by means of which it can be conveniently operated. It will be understood that the opening through the collar 4 in which the valve stem moves will be of such diameter as to clear the valve stem and to leave a proper space through which the oil may pass freely to the lower enlarged portion of the opening, which receives the valve on the valve stem.

When it is desired to feed the oil from the body, the rod or pin is pressed downward and held in the desired adjusted position by the spring pawl engaging the teeth of the ratchet bar and it will be understood that the adjustment can be so regulated that it may be set to run a stream of oil, or three drops per minute as may be desired. By releasing the spring pawl from the ratchet bar, the spring 9 is permitted to exert its influence to raise the rod or pin and close the passage way or opening from the body 1, by drawing the head of the said pin or rod against the lower portion of the opening or passage way.

The device may be made of brass or steel, and though the body 1 has been set forth as being of square form, it is obviously apparent that other forms will operate equally as well.

Having thus described the invention, what is claimed as new is—

In an oil-cup, the combination of a body having a lower discharge passage, a valve

stem passing through the said body and having a valve on the lower end thereof, and closing the said discharge passage, a spring surrounding the valve stem above the body, a ratchet bar attached to the upper portion of said valve stem and adapted to move downwardly therewith, a spring pawl located on top of the body, and adapted to engage the teeth of the said ratchet bar to hold the valve stem in its adjusted position, and a lower sight chamber having an attaching nipple, substantially as and for the purposes specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MICHAEL FRANCIS NESTER.

Witnesses:
H. R. SMITH,
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