

F. LUNKENHEIMER.

Oil-Cups.

No. 149,491.

Patented April 7, 1874.

Fig. 1

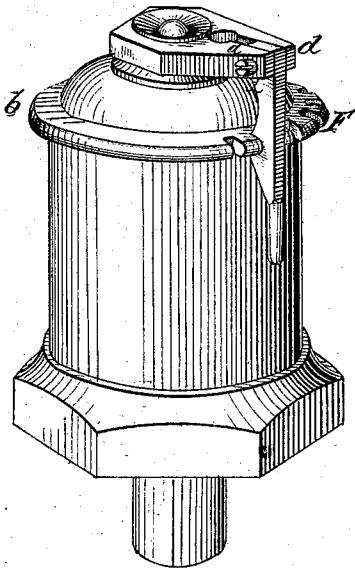
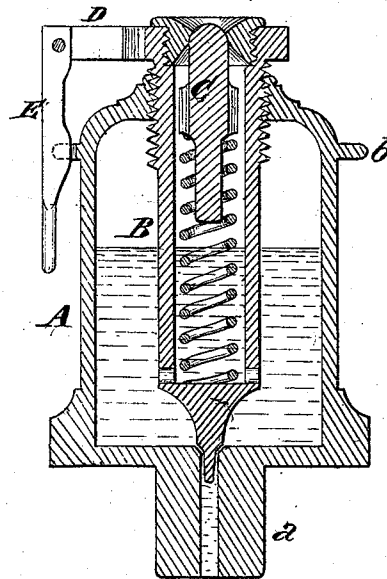


Fig. 2



Attest
Edgar J. Cross
Edgar J. Cross

Inventor
Frederick Lunkheimer
By *J. M. Ward*
Attorney

UNITED STATES PATENT OFFICE.

FREDERICK LUNKENHEIMER, OF CINCINNATI, OHIO.

IMPROVEMENT IN OIL-CUPS.

Specification forming part of Letters Patent No. **149,491**, dated April 7, 1874; application filed March 10, 1874.

To all whom it may concern:

Be it known that I, FREDERICK LUNKENHEIMER, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Oil-Cups or Lubricators, of which the following is a specification:

My invention consists, in connection with the customary adjustable valve governing the discharge of the cup, of a device composed of a spring-arm, swinging lever, and a series of notches around the edge of the cup, by which the adjustable valve is set positively and accurately at any point of its range of opening, and the discharge from the cup thereby determined with certainty and made capable of readjustment to the same point after a closure, the object being to provide a simple, durable, and easily-operated device for this purpose.

Figure 1 is a perspective view of an oil-cup embodying my invention, and Fig. 2 is a vertical section of the same.

A is the cup, having the customary neck *a*, upon which a screw is usually cut to enable the cup to be secured to the object to be lubricated, the cup also being fitted with the customary hollow valve B, whose lower end governs the discharge-aperture of the cup and whose upper end extends through the upper end of the cup. The hollow chamber of this valve is also fitted with the customary spring-valve C, seating upward in an aperture through which oil may be fed to the cup. Upon the upper end of this hollow valve B I form an arm, D, between the spring-jaws *d* of which a lever, E, is pivoted, the outer end of the lever being formed into a handle, as it were, by which the operator is enabled to rotate the arm D and thereby ad-

just the valve-opening of the cup. Around the rim *b* of the cup a series of notches, F, are cut, into any one of which the lever E may be pushed edgewise, the particular notch into which it is fitted serving to determine visibly and accurately the extent of the opening at the discharge-vent of the cup.

It will be seen that, in order to vary the extent of this opening, it is simply necessary to swing the lever out of its notch, and, after rotating the valve B in either direction, to insert the lever again into a different notch, or, in case the vent is required to be stopped entirely, it is simply necessary to remove the lever from its notch and swing the valve B around downward until the lever will progress no farther. It may, after such closure, be reset to any particular notch before used, and the same degree of opening determined thereby.

I claim—

1. In combination with the rotating adjustable valve B of an oil-cup, the arm D, swinging lever E, and notched rim *b* F, connected and operating substantially in the manner and for the purpose specified.

2. In combination with the rotating adjustable valve, B, of an oil-cup, the arm D, having spring-jaws *d*, swinging lever E, and notched rim *b* F, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

FREDERICK LUNKENHEIMER.

Witnesses:

FRANK MILLWARD,
H. M. HUNTER.