No. 791,838. PATENTED JUNE 6, 1905.

F. G. SWIFT.

LUBRICATOR.

APPLICATION FILED APR. 18, 1904.

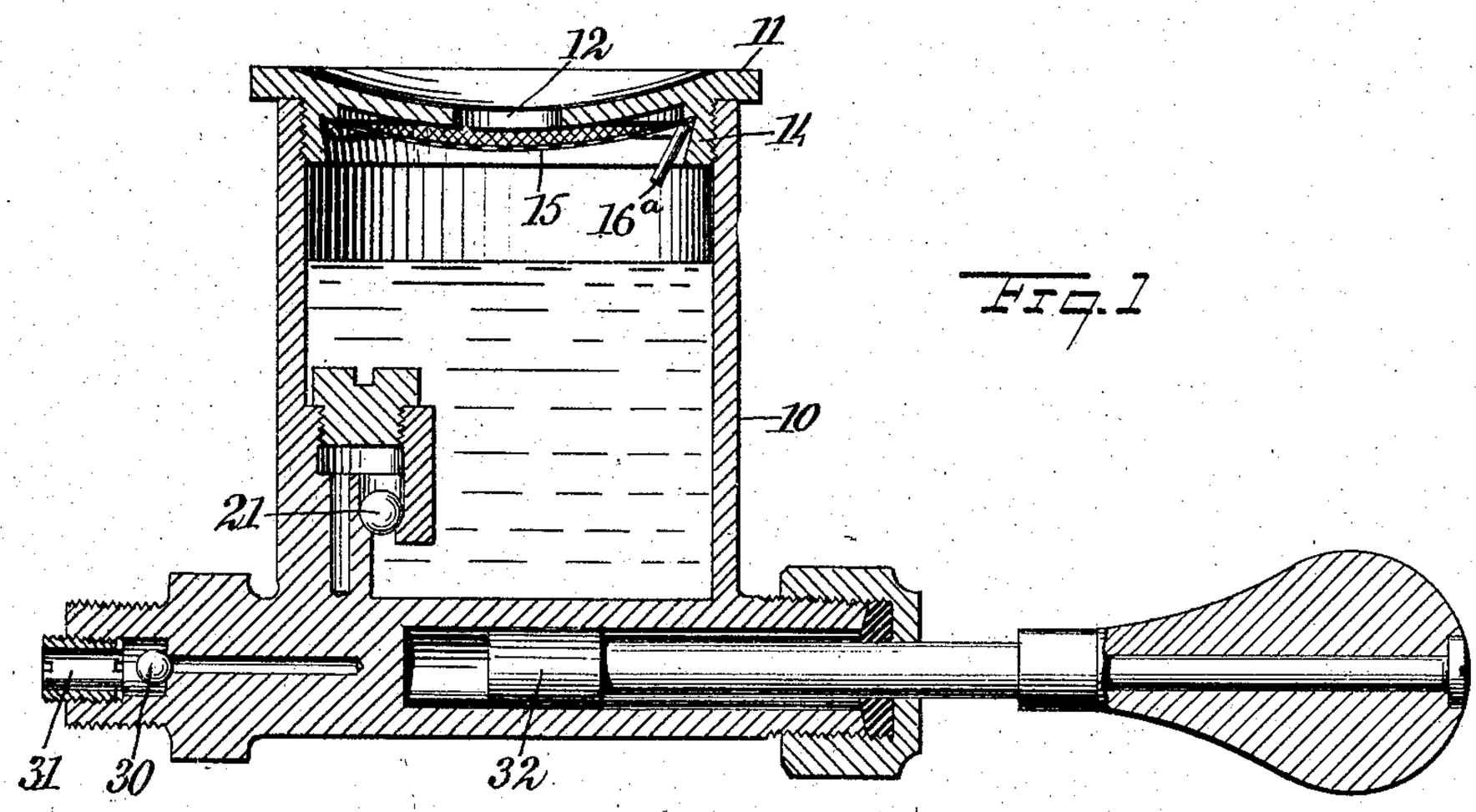


Fig. 1

Fig. 2

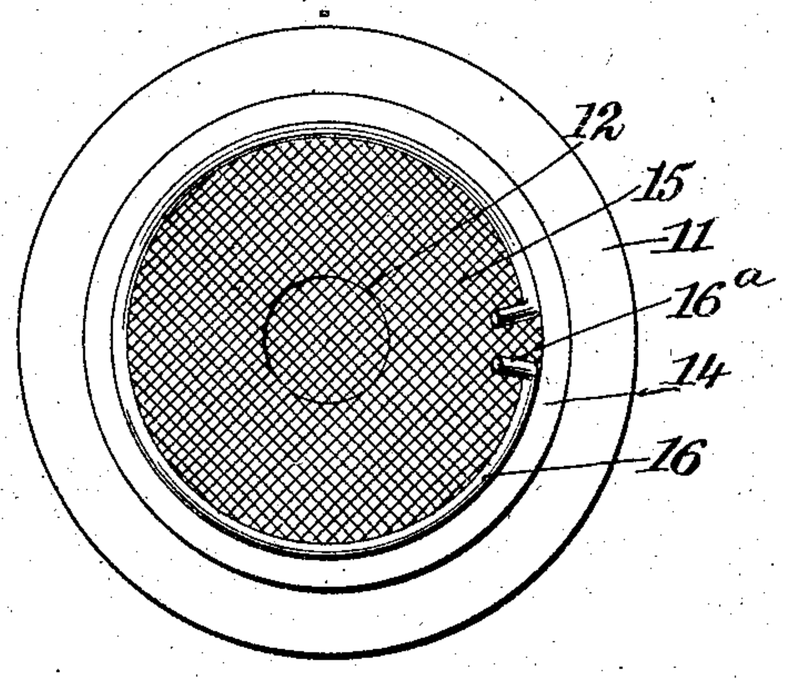
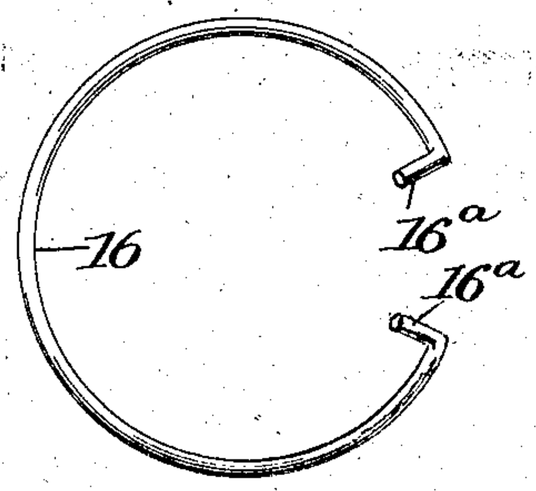


Fig. 3



WITNESSES:

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No. 791,838. Patented June 6, 1905.

UNITED STATES PATENT OFFICE.

FRANK G. SWIFT, OF ELMIRA, NEW YORK.

LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 791,838, dated June 6, 1905.

Application filed April 18, 1904. Serial No. 203,752.

To all whom it may concern:

Be it known that I, FRANK G. SWIFT, a citizen of the United States, and a resident of Elmira, in the county of Chemung and State of New York, have invented a new and Improved Lubricator, of which the following is a full, clear, and exact description.

The invention relates particularly to a novel means for straining the oil as it enters the reservoir of the lubricator, this means being readily removable to permit cleansing the parts.

Reference is to be had to the accompanying drawings, which form part of this specification, in which drawings like characters of reference indicate like parts in the several views, and in which—

Figure 1 is a vertical section of a lubricator fitted with my invention. Fig. 2 is an inverted plan view of the closure for the lubricator-reservoir, showing the strainer applied; and Fig. 3 is a detail view of the locking-spring.

In Fig. 1, 10 indicates the body of the reservoir, and 32 is a pump coacting with the valves 21 and 30 to discharge the oil through the nipple 31. As far as the present application is concerned these parts may be of any desired construction. The upper end of the reservoir 10 is open, and a closure 11, having an exteriorly-threaded flange 14, is screwed into said end of the reservoir. The closure is provided with a centrally-located opening 12, and the flange 14 is undercut at its inner wall, as shown. 15 indicates a strainer-disk which is located on the under side of the closure 11 within the flange 14, and said disk is held in place by a locking-spring 16, which is in the form of a split ring with projecting finger-pieces 16^a. This ring is sprung into place on the under side of the strainer 15 and against the inner walls of the flange 14, serving removably yet securely to hold the strainer. The undercut or inclosing walls of the flange 14 prevent the accidental displacement of the spring. Finger-pieces 16^a project slightly below the tapering walls of the flange, so that they may be readily grasped when desired and the ring contracted to permit the removal of the ring and strainer. It will be observed that the closure 11 may be removed at will, carrying with it the ring and strainer, thus greatly simplifying the construction of the device and increasing the ease with which it may be handled.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A lubricator comprising an oil-reservoir, a closure having an oil-entering opening and tapering walls projected downward into the reservoir, a strainer located under the closure and surrounded by said walls, and a split spring-ring bearing against the strainer and the said tapering walls to hold the strainer removably in place in the closure.

2. A lubricator comprising an oil-reservoir, a closure having an oil-entering opening and tapering walls projecting downward into the reservoir, a strainer located under the closure and surrounded by said walls, and a split spring-ring bearing against the strainer and the said tapering walls to hold the strainer removably in place in the closure, the ends of the split ring being bent downward forming finger-pieces for the manipulation of the ring.

3. A lubricator comprising an oil-reservoir having an open upper end, a closure removably fitted in the open upper end and having an approximately centrally located oil-entrance opening, and also having tapering walls projecting downward into the reservoir, a strainer located on the under side of the closure, and a split ring bearing against the under side of the strainer and against the said tapering walls removably to hold the said strainer in place in the closure, the ends of the split ring being bent downward forming finger-pieces for the manipulation of the ring.

4. A lubricator comprising a reservoir, a closure therefor, the closure having an oil-receiving opening therein, a strainer located under the closure opposite the opening, and means for supporting and removably holding the strainer on the closure, whereby the strainer is removed with the closure from the lubricator.

5. A lubricator comprising a reservoir, a closure therefor, the closure having an oil-receiving opening therein, a strainer located opposite the opening, and means for supporting and removably holding the strainer on the closure, whereby the strainer is removed with the closure from the lubricator.

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

FRANK G. SWIFT.

Witnesses:
A. W. SWIFT,
HARRY S. THAYER.