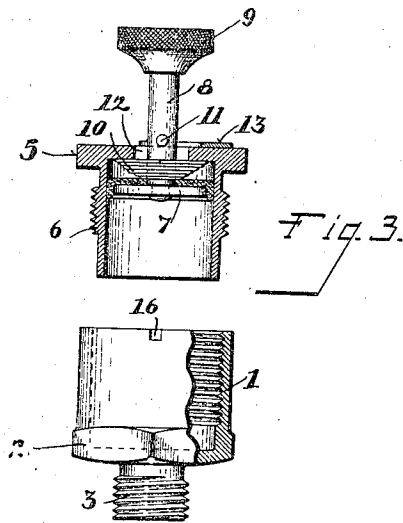
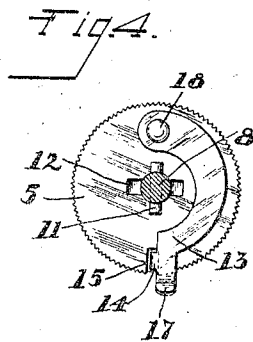
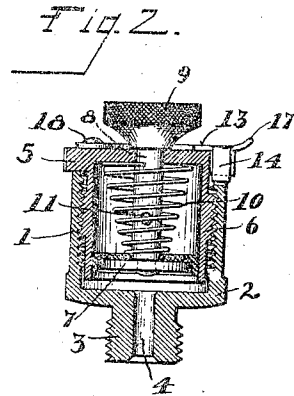
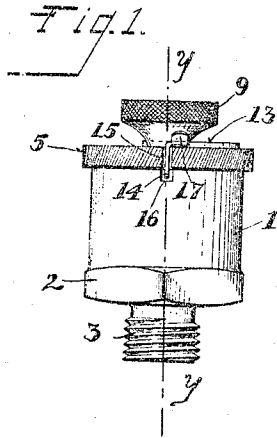


C. G. RITTER & J. J. AULL.
GREASE CUP.

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1,031,734.

Patented July 9, 1912.



Witnesses.
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UNITED STATES PATENT OFFICE.

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GREASE-CUP.

1,031,734.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed August 5, 1908. Serial No. 447,044.

To all whom it may concern:

Be it known that we, CHARLES G. RITTER, a citizen of the United States, residing in Ludlow, Kenton county, and State of Kentucky, and JEROME J. AULL, a citizen of the United States, residing in Cincinnati, county of Hamilton, and State of Ohio, have invented new and useful Improvements in Grease-Cups, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

The purpose of our invention is to provide a grease cup for the lubrication of joints and bearings of jarring machinery, where the bearings do not require very much grease, and the cups are usually small, and the object is to design a construction, in which in filling, the grease may be packed into both cup and cover, and in which a spring catch is employed secured to the cap, and engaging a slot in the base to prevent the cap from unscrewing with the jarring of the machinery, the spring catch being so conveniently arranged that the catch may be lifted to release the cap and permit its unscrewing, by the same movement of the thumb and finger, with which the knurled head of the cap is grasped for unscrewing.

In the drawings Figure 1 is a front elevation of our improved grease cup. Fig. 2 is a central vertical section of same taken on the lines Y. Y., of Fig. 1. Fig. 3 is a similar vertical section of that shown in Fig. 2, but with the base and cap separate as in the position for filling. Fig. 4 is a plan view of the cup with the plunger rod in section.

1 is the base of the cup, screw threaded internally, and with side walls of considerable height to form a substantial cup shaped recess. A hexagon 2 is formed on the base for screwing the threaded shank 3 to the bearing, the shank being provided with a central bore 4 for the passage of the lubricant.

5 is the cap provided with the externally threaded sleeve 6, of a depth substantially the depth of the cup, so that in filling with grease either the cup or the cover or both may be filled.

Mounted inside the sleeve 6 of the cover, is a plunger 7 to which the stem 8 with knurled head 9, is attached. The stem of the plunger passes loosely through a slotted opening in the cover, and the plunger is normally held depressed by the coiled spring 10 bearing between the plunger 7 and the cap 5. When the device is to be filled the plunger is raised as shown in Fig. 3, and the pin 11 in the stem, is passed through the slot 12 in the cover, and the stem is then turned for the pin to engage the top surface of the cover, thus holding up the plunger. When the cup is in use the plunger is released and under tension of the spring 10 the plunger feeds the grease through the passageway 4.

In order that the cover may be prevented from working loose under the constant jars of the machinery, we provide the spring catch 13 secured to the cap 5 at 18. This catch is provided with a downwardly extending tongue 14, which projects through a notch 15 in the cover, and into the slot 16, in the upper edge of the cup base. This catch is also provided with an upwardly projecting lip 17, so that by the same movement the cover is grasped to unscrew same, the catch can be withdrawn to release the parts.

Having thus described our invention what we claim as new and desire to secure by Letters Patent, is:

1. A grease cup provided with a base and a cap, each having side walls adapted to fit within each other with means to feed the lubricant from the cup, and the cap provided with an annular flange extending out over and covering the upper edge of the side wall of the base, said flange provided with a notch, and the upper edge of the side wall of the base provided with a slot, and a catch mounted on the upper surface of the cap projecting through the notch to engage the slot and lock the cap to the base with means for releasing the catch simultaneously with the unscrewing of the cap.

2. A grease cup provided with a base and a cap, each having side walls adapted to fit within each other with means to feed the lubricant from the cup, and the cap provided with an annular flange extending out over and covering the upper edge of the side

wall of the base, said flange provided with a notch, and the upper edge of the side wall of the base provided with a slot, and a spring catch mounted on the upper surface of the cap projecting through the notch to engage the slot and lock the cap to the base, with a lip on the catch to permit ready engagement by the fingers to release the catch

simultaneously with the unscrewing of the cap.

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