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L. T. OUTHIER ET AL

GREASE CONTAINER

Filed Sept. 14, 1922

Fig. 1

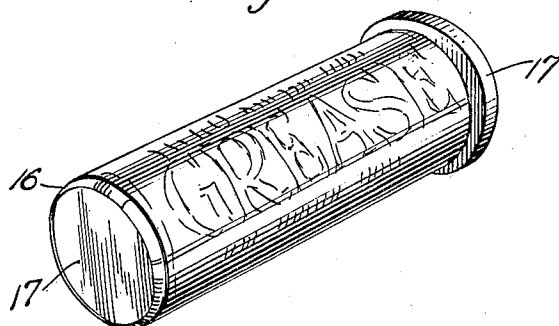
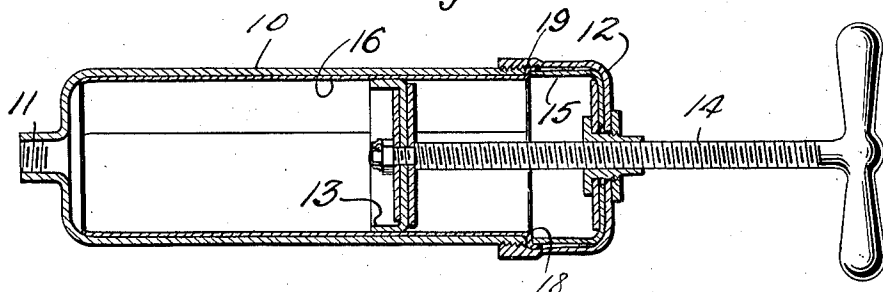


Fig. 2



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UNITED STATES PATENT OFFICE.

LOUIS T. OUTHIER AND EDWARD P. MALONE, OF EUREKA, CALIFORNIA.

GREASE CONTAINER.

Application filed September 14, 1922. Serial No. 588,170.

To all whom it may concern:

Be it known that we, LOUIS T. OUTHIER and EDWARD P. MALONE, respectively a citizen of the United States and a subject of the King of Great Britain, residing at Eureka, in the county of Humboldt, State of California, have invented certain new and useful Improvements in Grease Containers; and we 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 new and useful improvements in lubricants and particularly to hard oil or grease cartridges which obviate the usual necessity of placing the oil or grease in the grease-gun by means of a paddle, or the like.

One object of the invention is to provide a cartridge of the character named which can be easily and quickly inserted in the barrel of a grease-gun, so as to obviate the inconvenience of getting the grease on the hands or clothes.

Another object is to provide a cartridge of this character which will be firmly held within the gun, and which can be easily and quickly removed after the grease has been forced from the shell.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a perspective view of a grease cartridge made in accordance with the invention.

Figure 2 is a longitudinal sectional view through a grease-gun, and the cartridge disposed therein, showing the manner in which the cap of the gun cooperates with the shell of the cartridge to maintain the latter in the gun.

Referring particularly to the accompanying drawing, 10 represents the barrel of a grease-gun which has the discharge nozzle 11, the screw cap 12, and the plunger 13 operable by the threaded stem 14, which is engaged through the cap 12. Secured within the cap 12, and spaced a short distance

inwardly from the internal threads of the cap, is a circular wall 15.

The cartridge comprises a cylindrical metal shell 16 within which is placed the hard-oil or grease, plugs 17 being disposed in the opposite ends of the shell to prevent escape of the grease, and when the article is prepared for market a wrapper or label is placed around the cartridge. The label, as well as the plugs, are removed from the cartridge, before inserting the same within the barrel of the gun. The shell 16 has its adjacent edges free and unattached as shown at 16', to permit collapse thereof when the shell is to be removed, after all of the grease has been forced therefrom. As shown in Figure 2, the plunger moves into the shell 16, the shell remaining in the barrel until all of the grease has been discharged therefrom.

The outer or cap engaging end of the shell is offset to form the shoulder 18, which rests on the end face of the threaded end of the barrel. The portion 19, which extends beyond the shoulder, is seated between the threads of the cap and the circular wall 15, so that when the cap is screwed down tightly, after having placed the cartridge in the gun, the shell will be firmly held from movement in any direction.

While we have shown the shell as being open throughout its length, we may desire to close this opening by means of soldering, brazing or the like, without departing from the spirit of the invention or the scope of the claims.

What is claimed is:

A grease cartridge including a cylinder formed from a single length of material with the adjacent edges free and unattached, one end of the cylinder being offset outwardly to form a shoulder having a flange extending beyond the shoulder.

In testimony whereof, we affix our signatures, in the presence of two witnesses.

LOUIS T. OUTHIER.
EDWARD P. MALONE.

Witnesses:

C. M. SAVAGE,
JAS. MIDDLESWORTH.