C. LONG.

GREASE GUN.

APPLICATION FILED MAR. 15, 1916.

1,275,058.

Patented Aug. 6, 1918.

Fig. 2.

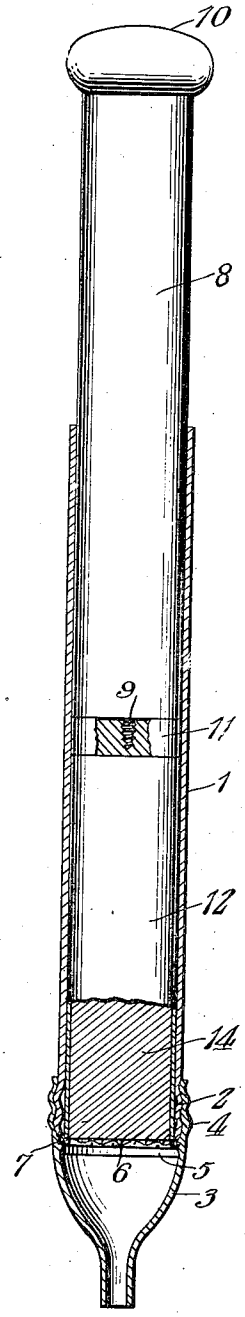


Fig. 1.

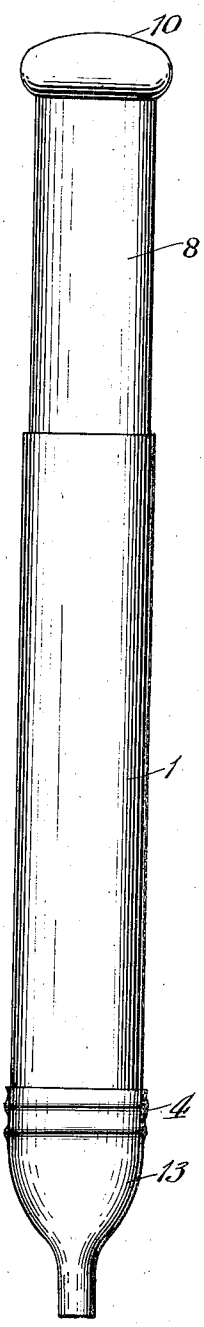


Fig. 3.

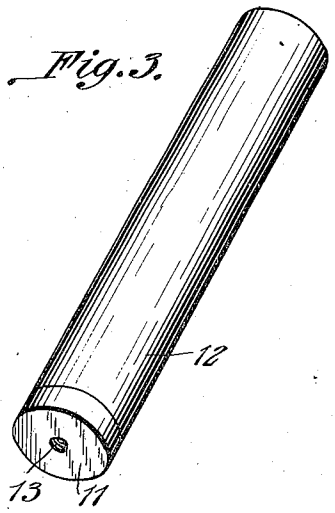
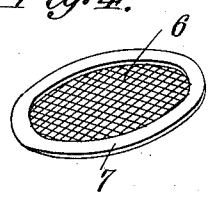


Fig. 4.



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UNITED STATES PATENT OFFICE.

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GREASE-GUN.

1,275,058. Specification of Letters Patent. Patented Aug. 6, 1918.

Application filed March 15, 1916. Serial No. 84,354.

To all whom it may concern:

Be it known that I, CHARLES LONG, a citizen of the United States, residing at Jeffersonville, in the county of Clark and State of Indiana, have invented certain new and useful Improvements in Grease-Guns, of which the following is a specification.

The present invention relates to dispensing containers and more particularly to new and useful improvements in grease guns.

An object of my invention is to provide a grease gun in which a packet or package of grease is placed, the package being open on one end to permit dispensing of its contents.

Another object of my invention is to provide a grease gun in which the filling operation may be carried out without the inconveniences now found in the devices usually employed, particularly with reference to the soiling of the hands or clothes when filling the container.

A further object of my invention is to provide a device of the character described in which the parts may be quickly and easily disconnected to permit of renewal of such parts or for cleansing.

A still further object of my invention is to provide a dispensing container of the class described which is simple in construction, cheap to manufacture, strong and durable, and effective in operation.

Other objects and advantages to be derived from the use of my invention will appear from the following detail description and the claims, taken with an inspection of the accompanying drawing, in which—

Figure 1 is a side elevation of a grease gun embodying the improvements of my invention,

Fig. 2 is a longitudinal partly sectional view of the same,

Fig. 3 is a perspective view of the grease containing package, and

Fig. 4 is a perspective view of the screen which I employ.

Referring more particularly to the drawing, wherein similar characters of reference designate like and corresponding parts through the various views, 1 designates the main container of my invention, said container having both ends thereof open for a purpose which will hereinafter appear. The container 1 is corrugated to provide threads 2 adjacent one end thereof to receive a nozzle 3 similarly threaded as at 4 for engagement with the threads 2, an annular flange 5 is formed on the inner periphery of the nozzle 3 adjacent the threads 4 and a screen 6 carried in a circular frame 7 is mounted in the nozzle, the end marginal edge of the main container 1 engaging the screen frame 7, said frame seated on the flange 5.

A plunger 8 is mounted in the main container 1 and is provided with a threaded projection 9 on the inner end thereof and a handle 10 on the outer end thereof.

The substance to be dispensed from my improved container is preferably put up in package form and the preferred form of package is best shown in Figs. 2 and 3 wherein I provide an end cap or plug 11 from which extends a tubular carton 12 of cheap destructible material. The free end of the carton 12 may be sealed and the carton is adapted to contain grease, soap, or any substance which it is desired to dispense. The cap 11 is provided with an opening 13 to receive the threaded extension 9. The cap may be, and is preferably made of wood and the opening 13 is only large enough to start in the threaded extension 9. As will be apparent from an inspection of Fig. 2 the diameter of the carton 12 is preferably such size as will permit the free marginal edge of the carton to normally seat on the screen frame 7 and it will be seen that when force is applied to the plunger 8 the contents of the carton will be forced through the screen 6 and thence through the nozzle 3, but the carton will be prevented from passing through with the substance being dispensed. Of course, it is to be understood that the substance which is to be dispensed is of a proper density which will prevent its readily flowing but will allow its passage through the screen 6. It will also be understood that the material from which the carton 12 is made may be very thin in order that when the carton is completely collapsed and its contents dispensed it will interfere but very little with the opening. The substance to be dispensed from the carton 12 is shown in Fig. 2 and designated 14. It will be readily apparent that my invention is adapted for dispensing all kinds of compounds and compositions for cleaning purposes as well as grease and I therefore do not limit myself to its application to this use.

From the above description taken in con-

nection with the accompanying drawings, it is thought that a clear and comprehensive understanding of the construction, operation and advantages of my invention may be had, and while I have shown and described my invention as embodying a specific structure, I desire that it be understood that I may make such changes on said structure as do not depart from the spirit and scope of the invention as claimed.

What I claim as new and desire to secure by Letters-Patent is:—

1. A means for dispensing lubricant, including in combination, a container having force feed means therein, and a lubricant containing packet formed of destructible material and having means arranged on one end thereof to permit the securing of the same to the feed means of said container when arranged therein.

2. A means for dispensing lubricant, including in combination, a cylinder having a reduced outlet opening, a strainer arranged adjacent said outlet opening, a piston working in said cylinder carrying a screw element, and a lubricant containing packet formed of destructible material and having means arranged on one end thereof to permit the securing of the same to said screw means when received in the cylinder.

In testimony whereof I affix my signature.

CHARLES LONG.