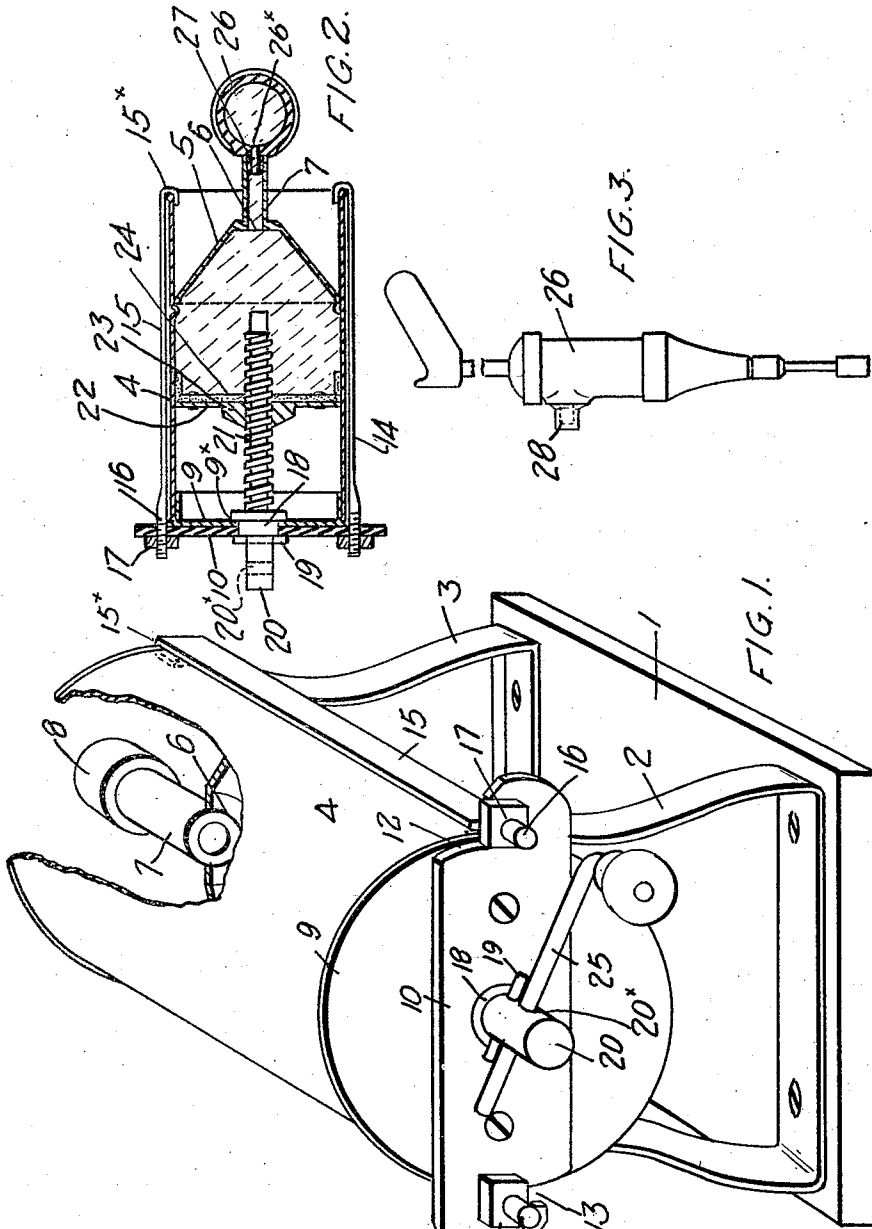


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GREASE GUN FILLER

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GREASE GUN FILLER

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My invention relates to improvements in grease gun fillers, and the object of the invention is to devise a simple, clean and inexpensive means whereby grease guns may be filled with grease preventing any dirt getting into the grease either in the cans or with the grease as the gun is filled and also preventing the proper filling of the gun through quantities of air passing into the gun with the grease, and it consists essentially of the arrangement and construction of parts hereinafter more particularly explained.

Fig. 1 is a perspective view of my filler partially broken away to exhibit the construction thereof.

Fig. 2 is a longitudinal section through the filler and gun (on a diminutive scale).

Fig. 3 is an elevation of the grease gun on the same scale as Fig. 2.

In the drawings like letters of reference indicate corresponding parts in each figure.

1 is a base provided with base standards 2 and 3 upon which is supported a cylinder 4 forming a grease chamber having a conical bottom 5. 6 is an opening in the apex of the conical bottom 5 from which extends a nipple 7 which is normally provided with a closing cap 8 which is screwed on to the end of the nipple. 9 is a circular cover for the open end of the grease chamber to which is secured a locking bar 10 having concentric slots 12 and 13. 14 and 15 are reinforcing bars secured to the cylinder 15 provided at one end with hooks 10^x engaging the peripheral end of the cylinder 4 and provided at their opposite end with threaded stems 16 extending through the slots 12 and 13 when the parts are in the locking position.

17 are nuts which are screwed on to the stems 16 and bear against the outer face of the bar 10. The bars 15 may be secured to the walls of the cylinder 4 if desired. The cylindrical top 9 is provided with a central orifice 9^x in which is secured a flanged sleeve 18 by means of a cotter pin 19 extending

through the stem extension 20 of the sleeve 18. 21 is a threaded spindle formed integral with the sleeve 18 and extending axially of the cylinder 4.

22 is a disc provided with a nut 23 formed integral therewith which is screwed on to the spindle 21. 24 is a piston cup formed of leather or other suitable material secured to the disc 22. The stem extension 20 is provided with a diametric orifice 20^x through which a handle 25 extends. 26 is a grease gun of common construction, the cylindrical body of which is provided with a filling orifice 26^x from which extends a nipple projection 27. The nipple projection 27 is exteriorly threaded and normally provided with a covering cap 28.

When it is desired to fill the gun all it is necessary to do is to remove the caps 8 and 28 and insert the nipple projection 27 into the nipple tube 7 in the position shown in Fig. 2. The handle 25 is inserted through the orifice 20^x and the spindle 21 rotated so as to carry the piston cup 24 downward and force the grease into the interior of the gun through the filling orifice 26.

By this means it will be seen that the whole contents of a can may be inserted in my cylinder 4 and when the piston 24 is operated the grease is forced therefrom into the gun without any possibility of any dirt coming in contact therewith or any air entering the gun which will prevent the proper filling of the same, and also enable of the gun being filled very quickly and with a minimum danger of soiling the operator.

What I claim as my invention is:

A grease gun filler comprising a cylindrical member forming a grease containing chamber having a discharge orifice in the bottom, a discharge tube extending from such orifice, a piston operable within the cylinder against the grease, means operable exteriorly of the piston for forcing the piston against the grease, a closure for the open end of the

cylinder, a cross bar secured to the closure
and projecting diametrically from each side
thereof and having concentrically slotted end
portions, and reinforcing bars having hooks
at one end engaging one end of the cylindri-
cal member, and threaded stems at the oppo-
site end of such reinforcing bars extending
through the aforesaid concentric slots, and
nuts threaded upon the stems against the
cross bar.

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