Nov. 18, 1924.

H. E. ELROD

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MEANS AND METHOD OF STORING AND TRANSFERRING GREASE TO GREASE GUNS

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Fig.5.

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MEANS AND METHOD OF STORING AND TRANSFERRING GREASE TO GREASE GUNS.

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Fig. 2 is an enlarged longitudinal section To all whom it may concern: Be it known that I, HENRY E. ELROD, a through the container, citizen of the United States, and a resident Fig. 3 is a detailed sectional view of a of Dallas, in the county of Dallas and State modification of the container, 60 5 of Texas, have invented certain new and use- Fig. 4 is a similar view of another modiful Improvements in Means and Methods of fication, and Storing and Transferring Grease to Grease Fig. 5 is a similar view of still another Guns, of which the following is a specifica- modification.

- tion. 10 My invention relates to means and 1 it will be seen that there is illustrated a 15 manner.

come into vogue which employ a grease gun a rod threaded in a cap which cap in turn in the form of a container to one end of is screwed on to the end of the container 11, 20 nection with the bearing to be lubricated. pose. The plunger, rod and cap are omitted The grease is forced from the gun by means from the drawings. of a screw plunger which enables considerable The container of my improved invention pressure to be exerted upon the grease, which comprises a cylindrical body 14 open at both 25 slight effort. tributed to these systems of lubricating is ence of the container adjacent the end there-30 and without a waste of grease. of the gun the hands of the operator are hold of the threads of the grease gun. 35 often soiled and a certain percentage of The other end of the container 14 is bent the grease usually wasted. 40 conveniently secured to the grease gun disc 18 besides closing one end of the conbe easily transferred to the gun. 45 of transferring grease to the gun which of the threads 13 of the grease gun 10 and be accomplished in a cleanly manner and with no loss of grease.

Referring now more particularly to Fig. 65 method of storing and transferring grease grease gun comprising a container 10 to one to grease guns and has for its particular ob- end of which is secured a delivery tube 11 ject to provide means for accomplishing the delivery nozzle 12 of which is adapted to this in a convenient, quick and economical be connected to the part to be lubricated. In 70 practice the grease is forced from the con-Recently systems of lubrications have tainer 10 by means of a plunger operated by which is attached a delivery tube for con-screw threads 13 being shown for this pur-75

results in an efficient lubrication with but ends and adapted to be closed at one end 80 thereof by a cap 15 fitting snugly over the One of the outstanding advantages at- end of the container. The inner circumferthat the operation may be accomplished of is coated with a layer of tin or lead or without soiling the hands of the operator other similar material 16 so that the con-85 tainer 14 may be connected to the grease gun These features are obtained but difficulty 10 by screwing the same onto the screwis experienced in transferring a supply of threads 13 of the grease gun, the layer of grease to the gun and during this loading tin or lead being sufficiently soft to take 90. over as at 17 to form a circumferential slot Therefore the particular object of my in- to receive the edge of a cupped disc 18 vention is to provide a container for the which is of such diameter as to fit within the grease which is capable of being quickly and container and be slidable therethrough. The 95 whereupon the contents of the container may tainer 14 acts as a follower to eject the grease.

The construction of my improved con- The diameter of the inside of the container therefore adapts itself to a method tainer 14 is the same as the outside diameter 100 enables this heretofore difficult operation to when it is desired to fill the grease gun 10 the cap 15 of the container is removed and the open end thereof screwed onto the open end of the gun 10, the soft coating of tin or 105 lead or the like taking hold of the threads 13 sufficiently to temporarily connect the container 14 to the grease gun 10. The cap, plunger and the rod of the grease gun have of course been previously removed from the 110 gun.

An embodiment of my invention is de-50 scribed and illustrated in the accompanying specification and drawings so that those skilled in this particular art may readily appreciate the advantages thereof.

In the drawings:

Fig. 1 is a sectional view of my improved **5**5 invention attached to a grease gun,

With the end of the container screwed

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onto the open end of the gun 10 the grease chase a container of grease and keep the contained in the container may now be same for instance under the seat of his autoejected from and into the gun 10. To ac- mobile, the supply being sufficient in most 55 complish this the disc 18 is forced through instances to last a year. 5 the container in the direction of the gun From the foregoing it is obvious thereis unscrewed from the end of the gun 10 purview of the accompanying claims. gun may then be replaced thereby fitting I claim is: any of the grease. struction for the end of the container 14. same onto said gun. an annular rib 20. 50 contents of the can will contain a sufficient disc. quantity of grease to last a considerable length of time. Thus a person can pur-

and consequently ejects the grease from the fore that my invention contemplates means container. The movement of the disc 18 for storing or carrying grease and a method may be accomplished by placing the plun- of transferring the grease to grease guns. 60 ger of the gun which has previously been re- The illustration in the drawings of several ¹⁰ moved or a hammer-handle or other con-structural modifications is evidence of the venient article against the disc and pushing fact that various changes may be made in the same inward thus completely ejecting the details of constructions without departall of the grease contained within this con- ing from the spirit and scope of my inven- 65 tainer. After the contents of the container tion and to this end I reserve the right to ¹⁵ have been transferred to the gun the same make such changes as may come within the and discarded. The plunger and cap of the – Having thus described my invention what the gun for further use. Obviously the op- 1. A grease container comprising a con-²⁰ eration has been accomplished without soil- tainer body and a layer of material softer ing the hands of the operator or wasting than said body arranged at the end thereof whereby said container may be connected to In Fig. 3 I have shown a modified con- a grease gun or the like by screwing the 75 ²⁵ Instead of bending the end back as at 17 of 2. A grease container for use in combina-Fig. 2 I roll the edge of the container there- tion with a grease gun comprising a tububy forming a bead 19 which the edge of the lar body, a removable cap covering one end cup disc 18 is adapted to engage. of said body, a displaceable disc closing the 80 In Fig. 4 a stop for the disc 18 is formed other end of said body, a soft coating mate-³⁰ by pressing the container inwardly to form rial applied to the inner circumference of one end of said body whereby it may be In Fig. 5 the movement of the disc 18 is threaded upon the end of the grease gun, limited in an outward direction by means the contents of the container being ejected 85 of the stop edge 21 formed by bending the by longitudinally displacing said disc. ³⁵ edge of the container 14 inwardly at right 3. A container of the class described for angles to the body portion thereof. use in combination with a grease gun com-Obviously various changes in the details prising a tubular body, the inner circumof construction may be resorted to, it being ference of said body at the front end there- 90 essential only that the movement of the disc of being coated with a soft metal, a remov-40 18 be limited in its outward movement so able cap covering this end of the body, a that it will be maintained in position adja- stop formed on the rear end of said body, a cent the end of the container and act as a cupped disc closing this end of said body bottom therefor. Obviously in filling the and abutting said stop, said container being 95 container the disc 18 is placed in position adapted to be connected to said gun by ⁴⁵ and the container filled with grease and the screwing the front end thereof onto the cap 15 then placed upon the open end of the open end of the gun, the coating of soft container. It is my purpose to form these metal engaging the screw threads of the containers in sizes to suit the various sizes container, the contents of the container be- 100 of grease guns now manufactured and the ing forced into the gun by displacing said HENRY E. ELROD.

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