

(No Model.)

H. K. STAHL.
GREASE CUP.

No. 556,780.

Patented Mar. 24, 1896.

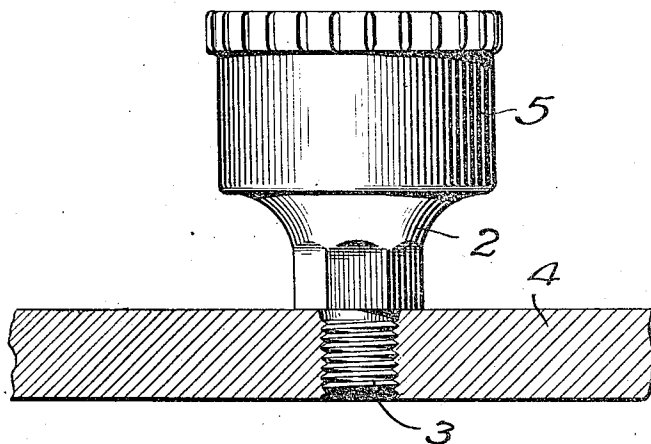
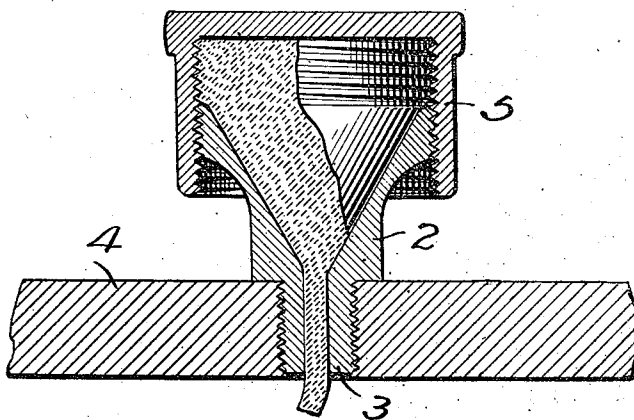


Fig. 1.



Witnesses; Fig. 2. Inventor;
C. E. Van Dorn. Henry K. Stahl
Frederick S. Lyon By Paul Hawley
his Attorneys

UNITED STATES PATENT OFFICE.

HENRY K. STAHL, OF MINNEAPOLIS, MINNESOTA.

GREASE-CUP.

SPECIFICATION forming part of Letters Patent No. 556,780, dated March 24, 1896.

Application filed November 10, 1894. Serial No. 528,370. (No model.)

To all whom it may concern:

Be it known that I, HENRY K. STAHL, of Minneapolis, county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Grease-Cups, of which the following is a specification.

My invention relates to grease-cups; and the object I have in view is to provide a simple and inexpensive cup for use on a line of shafting or anywhere it is desired to lubricate a bearing, in which the fixed or lower portion of the cup is hollowed out so that its interior is the shape of an inverted cone, no flat surfaces being left on the top of the fixed portion, and thereby the annoyance and inconvenience of the grease collecting and hardening on these flat surfaces is avoided. Furthermore, the inner walls of the receptacle being inclined toward the orifice as the cover is screwed down all the grease will be forced down through the opening in the bottom of the cup and there will be no tendency for it to work out between the threads of the cover and cup, which is the case if there is any flat surface on the top of the cup.

My invention consists generally in the construction and combination hereinafter described and particularly pointed out in the claim.

In the drawings forming part of this specification, Figure 1 is an elevation of a grease-cup secured in position ready for use. Fig. 2 is a vertical section of the same, showing the grease passing down through the orifice at the bottom of the conical interior of the cup.

In the drawings, 2 represents a cup of any suitable size having the threaded lower portion 3 to screw into the box 4 above the bearing to be lubricated. The cup 2 is hollowed out so that its interior is of the shape of an inverted cone extending to the extreme outer edge of the cup, as shown in Fig. 2, the bottom of which terminates in an opening ex-

tending down through the lower portion 3 of the cup.

The outside edge of the cup 2 around the top is threaded, and an interiorly-threaded cap 5 is provided, which is adapted to screw down over the cup 2 until the inside surface of the top of the cap rests upon the top of the cup. As the cover is screwed down after the cup is filled, all the grease will be forced down into the conical receptacle, there being no flat surfaces to collect and retain it, as in all cups heretofore made.

When the cover has been screwed down as far as it can be, there will be enough grease left in the cup to keep the bearing lubricated for some time or until the cup is filled again.

It is obvious that the interior of the cup might be hollowed out so that it will be of any general concave form without departing from the spirit of my invention.

Having thus described my invention, I claim as new and desire to cover by Letters Patent—

The combination in a grease-cup, of a lower or cup portion having a shank to be secured in a bearing, the interior of said cup being smooth and of a conical form, a duct leading from the conical portion of the cup through the shank portion, the outer surface of said cup portion being threaded, and the inner conical surface merging into the threaded surface at the upper edge of the cup, and a flat-topped cap or cover having an interior thread and adapted to be screwed down over the cup portion to force the grease therefrom, substantially as described.

In testimony whereof I have hereunto set my hand this 29th day of October, A. D. 1894.

HENRY K. STAHL.

In presence of—

RICHARD PAUL,
FREDERICK S. LYON.