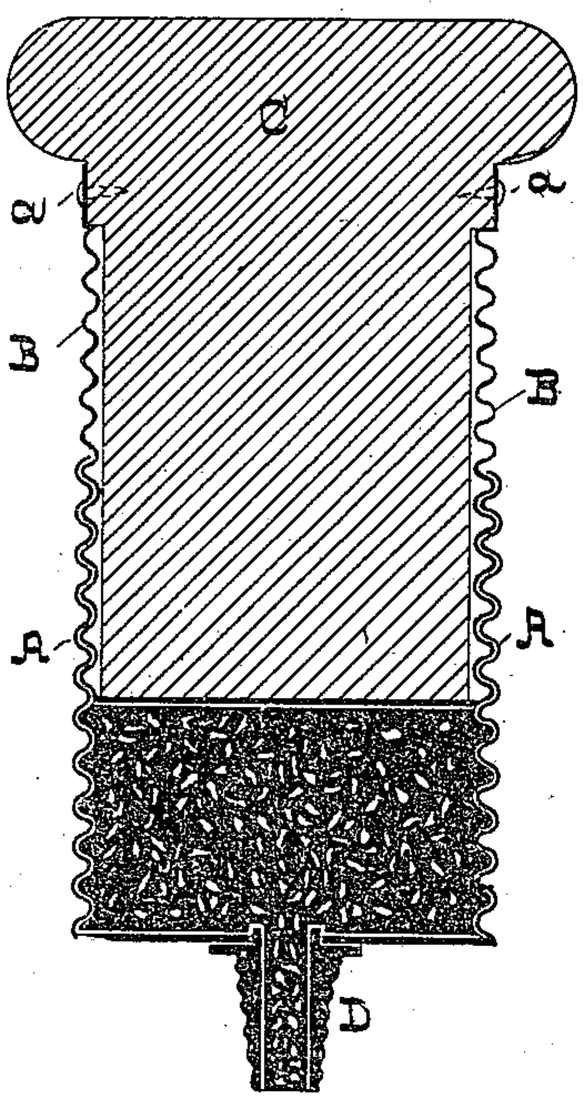
(No Model.)

H. D. MENTZEL.

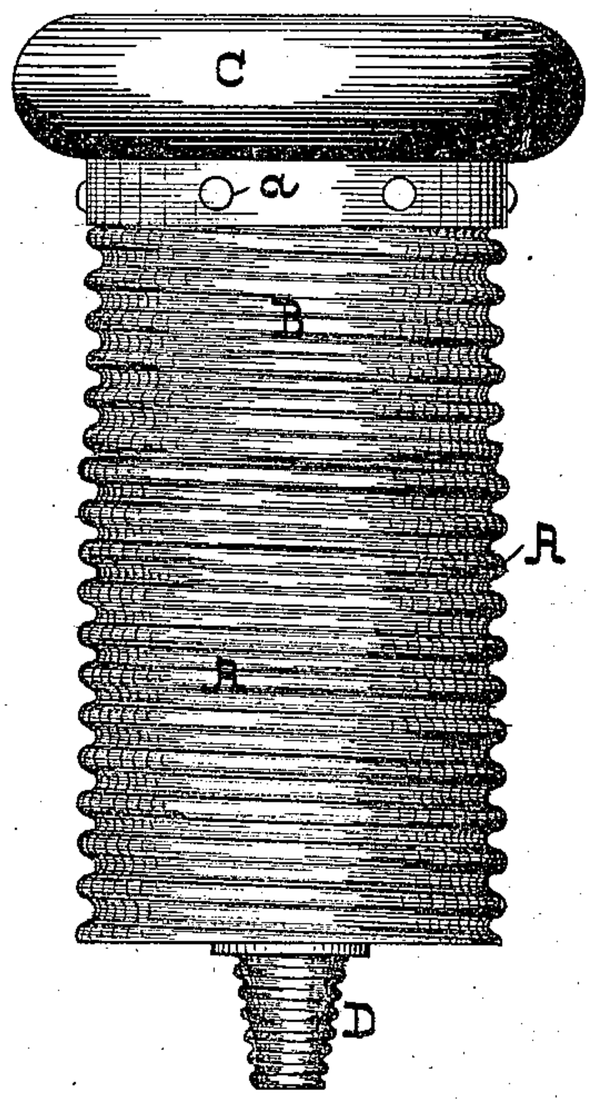
GREASE CUP.

No. 381,157. Patented Apr. 17, 1888.

-FIG II-



-FIG I-



-WITNESSES-

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UNITED STATES PATENT OFFICE.

HENRY D. MENTZEL, OF BALTIMORE, MARYLAND.

GREASE-CUP.

SPECIFICATION forming part of Letters Patent No. 381,157, dated April 17, 1888.

Application filed May 24, 1887. Serial No. 239,188. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. MENTZEL, of the city of Baltimore, and State of Maryland, have invented certain Improvements in Grease-Cups, of which the following is a specification.

This invention relates to certain improvements in Letters Patent No. 104,706, granted to me on the 28th day of August, 1877, for certain improvements in blacking-boxes. In the said Letters Patent I describe an interiorly-threaded box for holding semi-fluid bodies, having a perforated bottom and a threaded plunger or plug which forms the top of the box. This plug, when screwed into the box, expresses its contents through the perforations in the bottom.

In using the invention as patented I find that the wooden plug in drying shrinks and becomes loose in the shell. Consequently when the box is used to hold grease, the contents, as pressure is applied thereto, will exude through the space between the plug and the side of the shell of the box. To avoid this I cover the wooden plug with metal; or, in other words, I form the plug of sheet metal and provide it with a wooden handle whereby it may be turned. By this means I am enabled to produce a tight joint and at the same time avail myself of the wooden handle, which is a non-conductor of heat, and therefore well adapted for use when the invention is to be applied to a steam-cylinder and becomes heated.

My invention also relates to the application to the bottom of the box of a threaded nozzle by means of which the cup can be applied to machinery in general.

In the further description of the said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is an exterior side view of the improved grease-cup, and Fig. 2 is a sectional view of the same.

Similar letters of reference indicate similar parts in both the views.

In the said drawings, A is the cylindrical shell of the box or cup. This casing or shell is interiorly threaded, preferably throughout its entire length, as shown, and with a view to cheapness I make the shell of thin sheet metal, and form the thread by means of a suitable tool which is pressed against the exterior of the shell as the same is revolved.

B is the plug or plunger, also formed of sheet metal, and threaded in the same manner as the shell. This plug has an imperforate bottom, as shown, and is fitted with a wooden handle, C, which is inserted in the plug and secured therein in any suitable manner, but preferably by small nails *a*, which are driven in from the outside, as shown.

The handle C may be threaded or not, as preferred, and when it is not threaded, as illustrated, I prefer to make the upper end of the hollow plug devoid of a thread, so as to provide a good bearing for the wooden handle at the point where the nails are entered.

D is a threaded nozzle at the bottom of the shell, by means of which the cup is secured to the machine to be lubricated.

I claim as my invention—

A grease-holding cup, which consists in an interiorly-threaded shell, an exteriorly-threaded hollow plug or plunger, and a handle which is inserted in the said plug, all combined substantially as and for the purpose specified.

HENRY D. MENTZEL.

Witnesses:
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