

June 3, 1930.

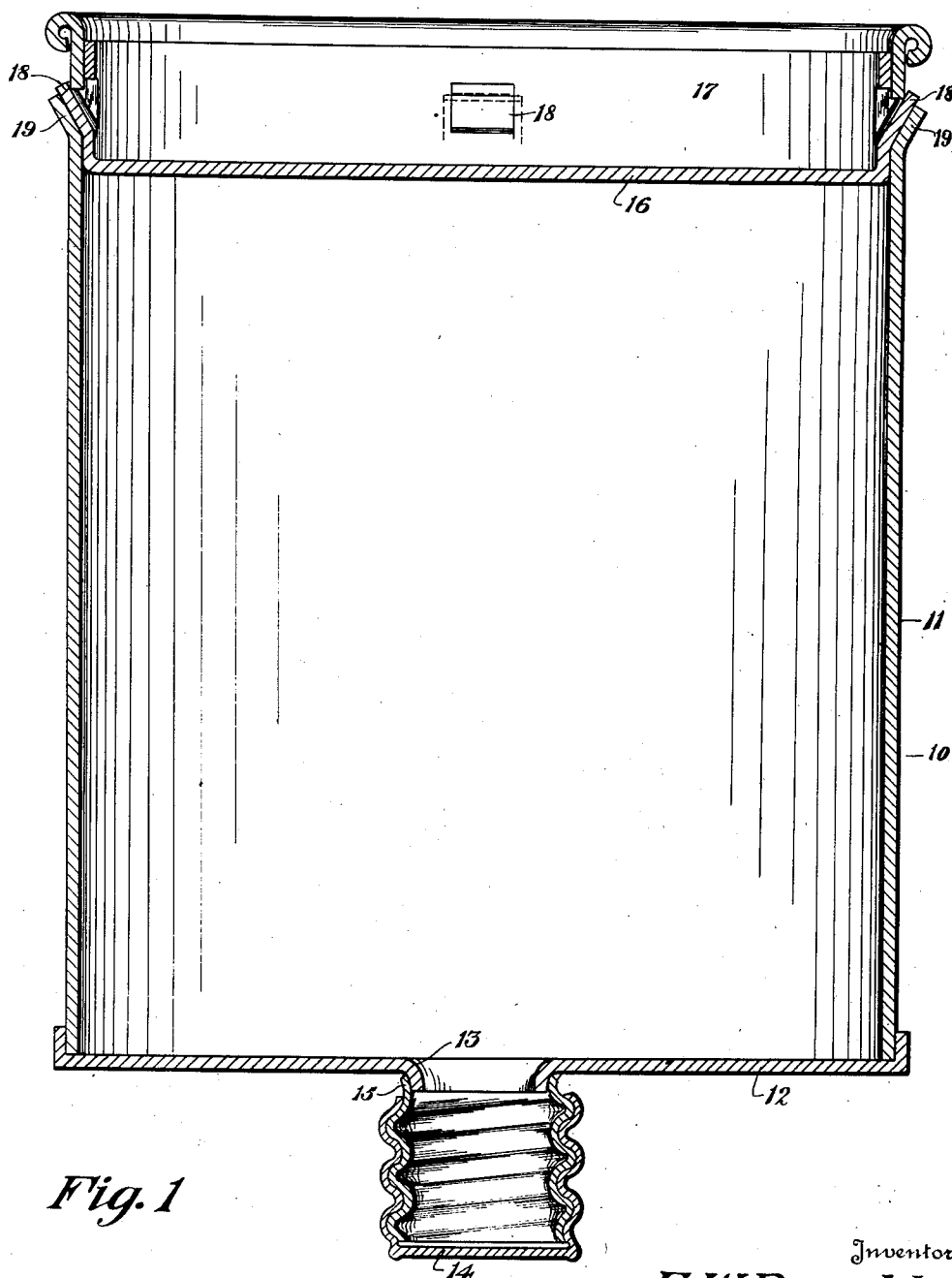
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1,761,650

GREASE CAN

Filed Nov. 20, 1926

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

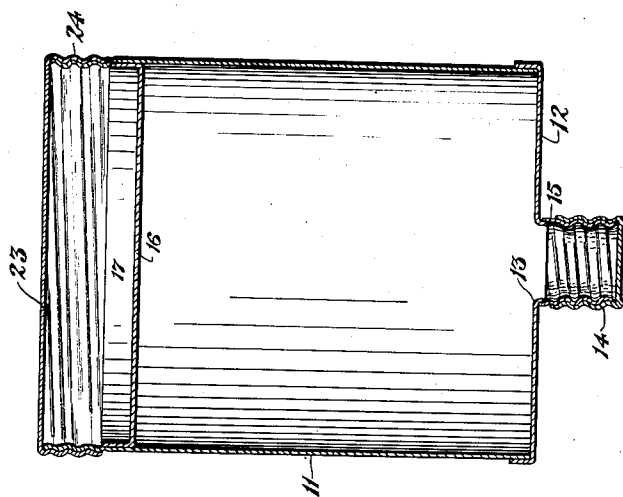


Fig. 4

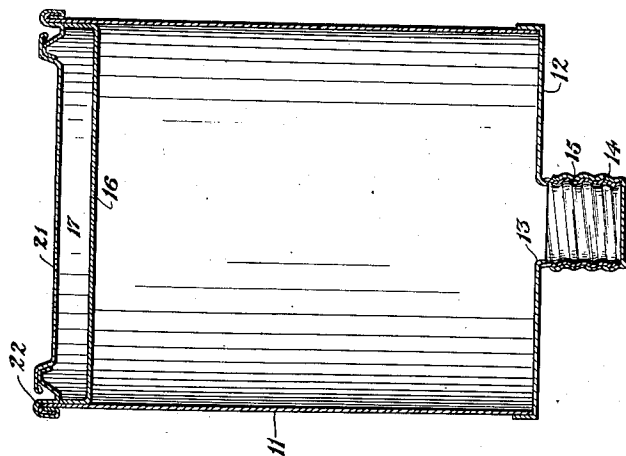


Fig. 3

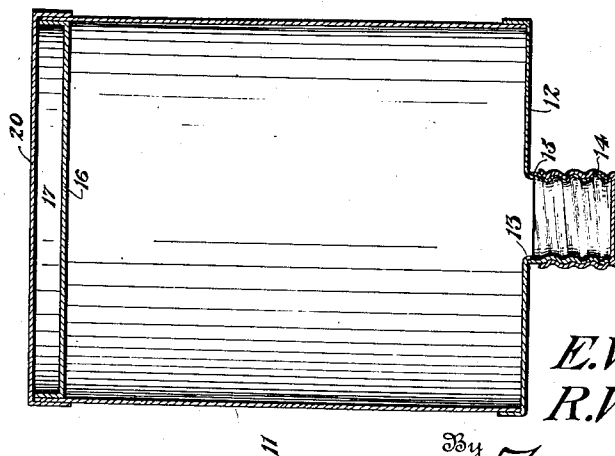


Fig. 2

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UNITED STATES PATENT OFFICE

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GREASE CAN

Application filed November 20, 1926. Serial No. 149,679.

The invention relates to cans, for containing grease and the like, and for use in connection with a machine or press whereby grease may be ejected directly from the can by the machine or press without transferring the grease from the can into the press.

The objects of the improvement are to provide a novel, economical, efficient and convenient grease can as aforesaid, and adapted for ejecting all the grease from the can by the machine or press.

These objects are attained by a construction and arrangement which may be stated in general terms as including a tubular can body having secured thereto one preferably flat end and a threaded opening therein fitted with a screw cap, another preferably flat plunger end arranged to be moved in the can body by a suitable machine or press for ejecting grease in the can through the threaded opening in the opposite flat end, and means associated with the preferably flat plunger end for normally preventing withdrawal of the same from the can body and adapted for permitting association of the plunger end with the machine or press for moving the plunger to eject grease from the can through the threaded opening in the aforesaid flat end.

A preferred embodiment of the invention and several modified forms thereof, are illustrated in the accompanying drawings forming part hereof, in which:—

Figure 1 is a longitudinal axial cross sectional view of the preferred form of the improved grease can, and having means integral with the plunger end and cooperating with the can body for preventing withdrawal of the plunger;

Fig. 2, a longitudinal axial cross sectional view similar to Fig. 1, illustrating a modified form of the invention, in which the plunger end is normally prevented from withdrawal by a separate slip lid;

Fig. 3, a longitudinal axial cross sectional view of another modified form of the invention, in which the flat plunger end is normally prevented from withdrawal by a separate friction lid; and

Fig. 4, a longitudinal axial cross sectional

view of still another modified form of the invention wherein the flat plunger end is normally prevented from withdrawal by a screw lid.

Similar numerals refer to similar parts throughout the drawings.

The preferred form of the improved grease can 10, illustrated in Fig. 1, includes a tubular can body 11 having a smooth inner surface and having secured thereto preferably at the bottom as by soldering or other well-known fastening means, a preferably flat end 12 having a plane inner surface and having an opening 13 therein provided with a removable closure, which is preferably in the form of a screw cap 14 removably screwed upon a threaded extension 15 of the opening 13.

A preferably flat plunger end 16, having a preferably upwardly extending peripheral flange 17, is arranged at the top of the can body to be moved preferably downwardly in the can body by a suitable machine or press for ejecting grease, and the like, which may be contained in the can, through the opening 13, the screw cap 14 having been removed.

Means are associated with the preferably flat plunger end and the can body for normally preventing withdrawal of the plunger end from the can body after the plunger end has been inserted in place, but at the same time permitting the preferably downward movement of the plunger in the can body to eject grease and the like from the can as aforesaid.

The preferred means preventing withdrawal of the plunger end from the can include tongues 18 struck out from the flange 17 of the plunger end 16, and arranged to catch in suitable apertures 19 struck out of the can body at the upper end thereof.

By the aforesaid simple and economical means, the plunger end may be inserted into the can from the top thereof and lock snapped into place against withdrawal, as illustrated in Fig. 1.

When the improved grease can thus described is inserted in a suitable machine or press, the screw cap 14 may be removed

from the threaded extension 13 of the opening and the flat plunger end 16 may be moved in the can body by the press to eject grease and the like from the can through the opening 13 in the flat end 12.

The stationary end 12 of the can body being flat, and the movable plunger end 16 being preferably flat and parallel to the stationary end 12, it is possible to eject all of the grease contained in the can from the same.

Grease packed in the improved cans as aforesaid, may be very economically used since the grease may be removed from the can in any desired quantity without scooping, and without disturbing the remaining grease contents of the can.

The modified form of the invention illustrated in Fig. 2, is made up of parts similar to the preferred form, excepting that the means for normally preventing withdrawal of the plunger end 16 from the can body consists of a separate slip lid 20 for the upper end of the can body.

Likewise, the modified form of the invention illustrated in Fig. 3, is made up of parts similar to the preferred form, excepting that the means for normally preventing withdrawal of the plunger end 16 from the can body consists of a separate friction lid 21 associated with a friction flange 22 secured to the upper end of the can body.

And finally, the modified form of the invention illustrated in Fig. 4, is made up of parts similar to the preferred form, excepting that the means for normally preventing withdrawal of the plunger end 16 from the can body consists of a separate screw lid 23 associated with the threaded upper end 24 of the can body.

We claim:

A grease can and the like including a can body having a smooth inner surface, an end having an opening therein and a removable closure for the opening, a plunger end in the can body adapted for movement therein for ejecting grease and the like from the can through the opening, and tongues on the plunger end cooperating with openings in the can body for normally preventing withdrawal of the plunger end from the can body.

In testimony that we claim the above, we have hereunto subscribed our names.

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