May 3, 1932. J. B. STOLTZFUS 1,856,598

OIL HOLE CLEANER AND SPOUT RETAINER

Filed Jan. 13, 1931

Fig. 1

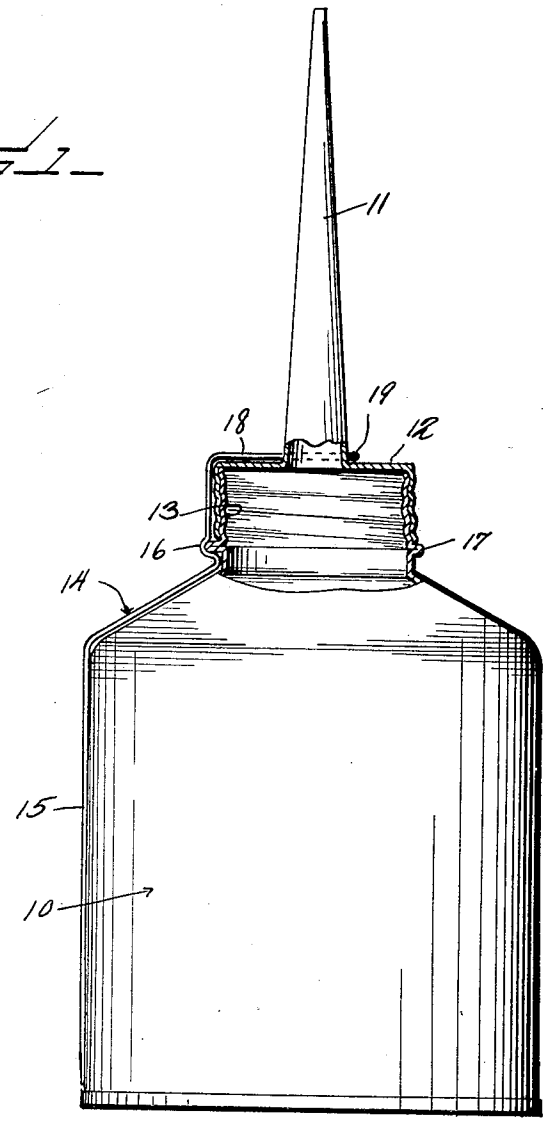
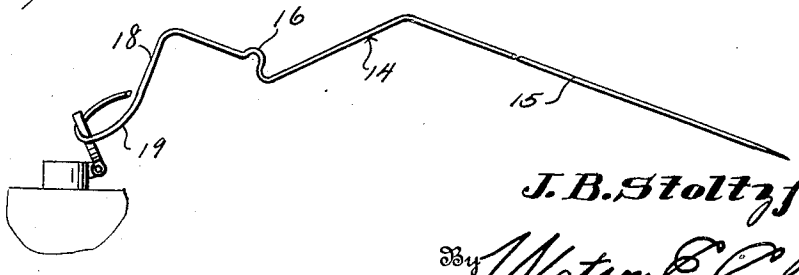


Fig. 2



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UNITED STATES PATENT OFFICE

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OIL HOLE CLEANER AND SPOUT RETAINER

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The present invention relates to cleaning tools or implements and more particularly to an oil duct and oil spout cleaner.

An object of this invention is to provide a cleaner of this character which may be readily and removably attached to an oil can without altering the present parts of the oil can and which may be easily removed from the can so as to clean out any oil ducts or openings prior to the placing of oil in the duct.

Another object of this invention is to provide a resilient cleaner of this kind which is formed of one piece of resilient material and removably attached to the body of the oil can and the oil spout without in any way interfering with the use of the oil can.

A further object of this invention is to provide a device of this kind which in addition to its use as a cleaner of oil ducts and a lifter of oil caps or closures is adapted to hold the spout of the oil can onto the top of the can so that it will not become lost due to vibration or the like.

The above and various other objects and advantages of this invention will in part be described in and in part be understood from the following detail description of the present preferred embodiment, the same being illustrated in the accompanying drawings wherein:—

Figure 1 is a detail side elevation partly in section showing an oil can having a device constructed according to the preferred embodiment of this invention mounted thereon; and

Figure 2 is a detail side elevation of the device removed from the oil can and used as an oil cap lifter.

Referring to the drawings wherein like numerals of reference designate corresponding parts throughout the several views, the numeral 10 designates generally an oil can of conventional construction and configuration which is provided with a spout 11 having a threaded base or cap portion 12 which threadably engages the filling opening 13 of the can 10. In the use of the oil can 10 for filling oil cups or the like it frequently happens that the outer end of the spout 11 becomes clogged with dirt or foreign matter which prevents the ready flow of the lubricant through the spout and in order to clean the spout 11 I have provided a cleaning member generally designated as 14, this cleaning member 14 comprising an elongated rod 15 which is bent so as to conform to the general configuration of the outer surface of the oil can 10 and at the upper end thereof is provided with a kerf 16 for engagement with the flange or bead 17 of the cap 12 and the rod 15 is extended upwardly about the outer surface of the cap and inwardly toward the spout as indicated at 18.

The extension 18 terminates in a hook or securing member 19 which extends about the spout 11 and resiliently holds the rod 15 on the outer surface of the oil can. This hook portion 19 in addition to holding one end of the rod or cleaning member 14 on the oil can serves as a means for lifting hinged closure members which are provided with certain oil cups or the like. The body portion 15 of the cleaning member 14 may also be used so as to clean the oil duct so that the oil from the spout 11 will readily flow thereinto.

In the use of this device the cleaning member 14 may be removed from the can 10 by pulling the body portion 15 outwardly thereby releasing the kerf or looped portion 16 from the bead 14 and permitting the hook 19 to be slipped off of the spout 11. If the spout 11 is clogged, the body portion 15 may be projected through the spout so as to force any clogging material inwardly and permit the free flowing of the lubricant. The cleaning member 14 in addition to being used as a cleaner for oil ducts and a lifter for capped oil cups serves the useful purpose of holding the spout or nozzle 11 against removal from the can 10. The bead 17 of the can 10 will be engaged by the looped portion 16 and the hook 19 tensioned on the spout 11 when the body portion 15 and the looped portion 16 engages the outer surface of the can. In this manner, if the cap portion 12 of the spout becomes loosened through vibration or the like the cleaning and securing member 14 will hold the spout on the can against removal. This cleaning and securing member 14 may

be formed of a resilient piece of wire or the like which may be bent so as to conform to the configuration of the outer surface of the can 10 and which may be readily flexed when inserted in a curved or angular oil duct.

It is, of course, understood that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the following claims.

What is claimed is:—

1. A device of the character described comprising a hook member adapted to engage about the spout of an oil can, an elongated body portion shaped to conform to the configuration of the outer surface of the oil can, and an intermediate portion connecting the body and the hook and engaging the neck of the oil can whereby to frictionally hold the spout from rotation or axial movement on the neck of the oil can.

2. A device of the character described comprising an elongated resilient rod having a loop at one end and an intermediate looped portion adapted for engagement with the flanged neck of an oil can whereby to frictionally hold the spout from rotation or axial movement on the neck of the oil can.

3. A device of the character described comprising a hook member adapted to engage the spout of an oil can, an elongated cleaning member, and means interposed between said hook and said cleaning member and engaging the can and the external lower end of the spout whereby to removably secure said members on an oil can.

In testimony whereof I hereunto affix my signature.

JOSEPH B. STOLTZFUS.