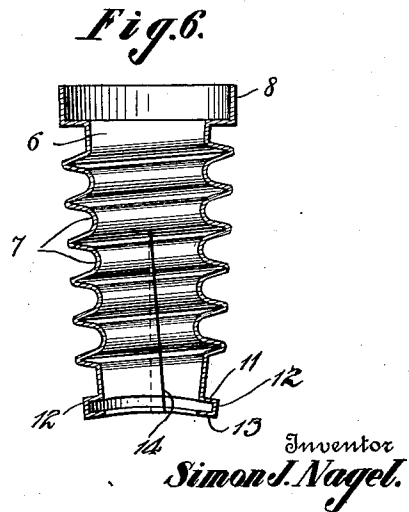
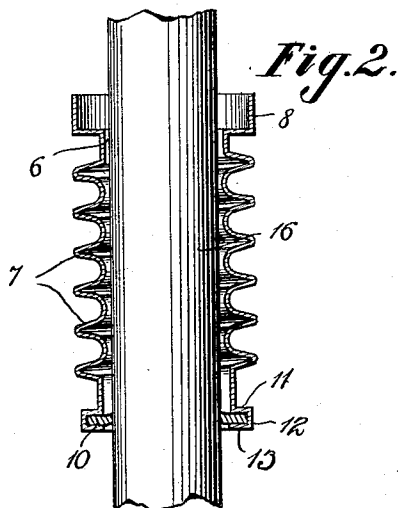
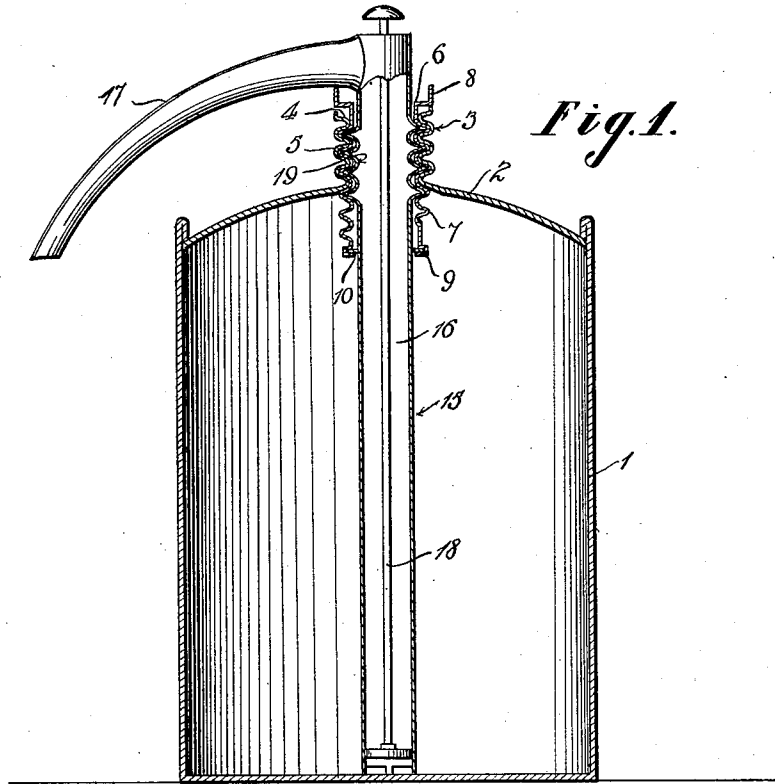


S. J. NAGEL.
OIL CAN ATTACHMENT.
APPLICATION FILED MAY 14, 1910.

1,017,899.

Patented Feb. 20, 1912.

2 SHEETS—SHEET 1.



Witnesses
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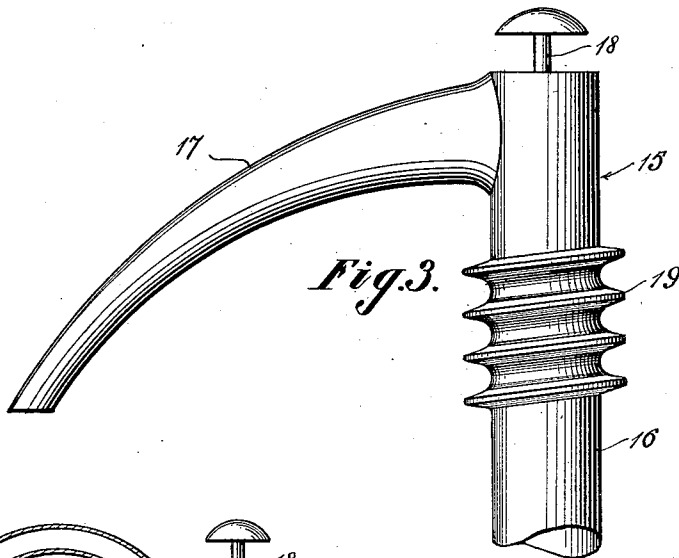


Fig. 3.

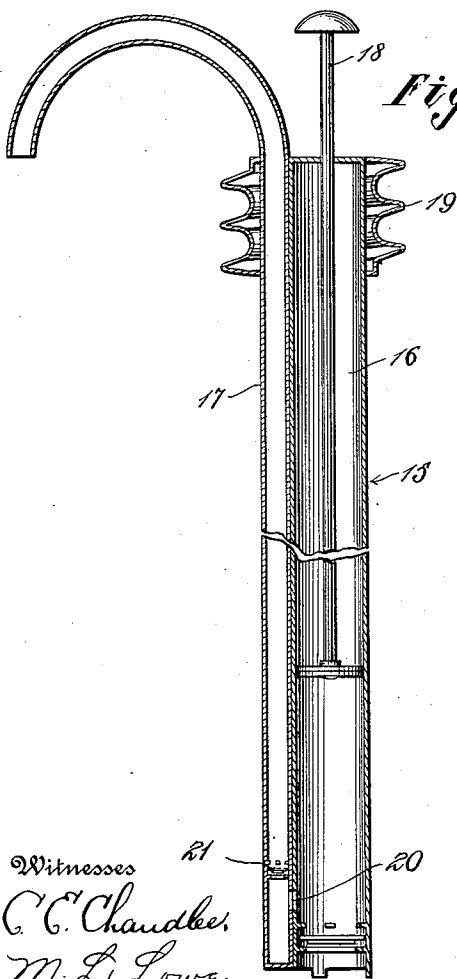


Fig. 5.

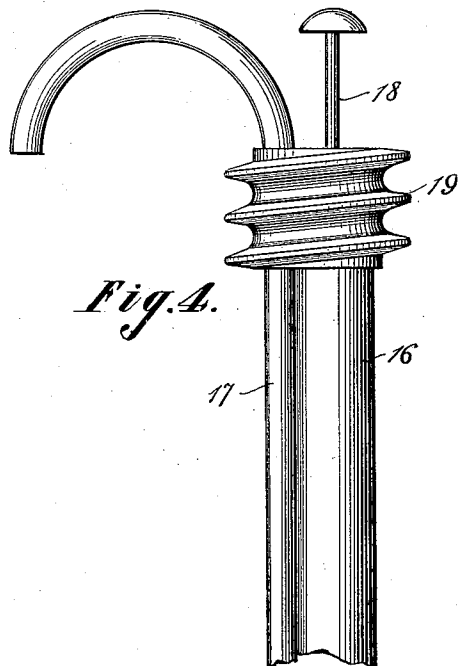


Fig. 4.

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UNITED STATES PATENT OFFICE.

SIMON J. NAGEL, OF GLEN ULLIN, NORTH DAKOTA.

OIL-CAN ATTACHMENT.

1,017,899.

Specification of Letters Patent.

Patented Feb. 20, 1912.

Application filed May 14, 1910. Serial No. 561,398.

To all whom it may concern:

Be it known that I, SIMON J. NAGEL, a citizen of the United States, residing at Glen Ullin, in the county of Morton and State of North Dakota, have invented certain new and useful Improvements in Oil-Can Attachments, of which the following is a specification.

This invention relates to improvements in oil cans, and particularly to pumps adapted to be removably secured thereto.

Another object is to provide a pump possessing screw threads for engagement with the ordinary threads in the opening of an oil can.

A further object is to provide an attachment to be screwed into the threaded opening of the ordinary oil can, and into which a pump provided with threads is adapted to be screwed.

A still further object is to provide an attachment which when the pump is screwed thereto will be expanded to securely hold the pump and attachment in place.

With these and other objects in view, the present invention consists in the construction, combination and arrangement of the several parts as will be more fully described and particularly pointed out in the claims, but it will be understood that such changes may be made in the specific structure as are within the scope of the claims without departing from the spirit of the invention.

In the accompanying drawing forming a part of this specification my invention is illustrated, in which—

Figure 1 is a vertical section through an oil can showing the attachment and pump applied, Fig. 2 is an enlarged view, in section, of the threaded attachment, and Fig. 3 is a side elevation of the pump. Fig. 4 is a side elevation of a modified form of pump. Fig. 5 is a vertical section of the form of pump shown in Fig. 4. Fig. 6 is a vertical sectional view of the member 6.

In the accompanying drawing in which is illustrated the preferred form of my invention, 1 represents an oil can of the ordinary construction, and provided in its upper wall or crown 2 with the usual threaded opening 3. The threaded opening is formed integrally with the crown of the can and the threads rolled in the material, thus providing interior and exterior threads, 4 and 5.

Into the threaded opening 3 is adapted to be screwed the tubular member 6. This

tubular member is formed of sheet metal and has the greatest portion of its length provided with rolled threads 7. These threads 7 engage in the threads of the opening 3 and depend a short distance into the can as seen in Fig. 1. The upper end of the tubular member is formed with an upstanding flange 8, to provide a hand hold for screwing the same into the opening. The tubular member 6 is formed near its lower end with an annular recess 9, into which is secured a washer 10. The recess is formed by bending the lower end of the member 6 outward at 11, downward at 12 and inward at 13. In seating the washer 10, the same is placed against the outwardly bent portion 11 and the portion 13 bent upward thereagainst, firmly clamping said washer in place. This washer 10 may be made of any suitable flexible material, as rubber or soft leather. The tubular member is split on one side at 14 for a portion of its length and the edges caused to slightly overlap to give the tube a truncated cone shape.

The pump 15 as seen in Fig. 3, comprises an elongated tube 16, having a spout 17, provided with a pump rod 18, and a suitable plunger therein. Near its upper end and for a suitable portion of its length are formed threads 19, which threads are rolled into the metal of the tube. These threads are adapted to engage in the threads of the tubular member 6.

In the use of the device the tubular member 6 is inserted in the opening 3 and screwed in so that its lower end is free within the can 1. The pump 15 is then pushed down through the member 6 and when the tube 16 of the pump is forced through the opening in the washer 10, the inner edge of said washer wipes against said tube. The threads of the pump are then caused to engage with the threads of the member 6, and screwed home. This will distend the smaller end of the member 6 and make the threads of the tube 16 and the member 6 tightly engage with each other, thus forming a very close joint, and preventing any leakage from the can should same be overturned. The washer also provides another liquid tight joint.

The pump is operated until sufficient oil has been extracted from the can, when it is removed therefrom. The pump is unscrewed, and when the portion of the casing or tube 16 below the threaded portion comes

in contact with the washer 10, said washer will wipe the oil from the tube. Thus the pump will be in a condition to be handled or laid away without danger of soiling surrounding objects.

5 It will of course be understood that the washer 10, is split at the same place as the tubular member 6, and opens and closes with said member.

10 In the modification shown in Figs. 4 and 5, the discharge spout 17 extends down the side of the pump casing and has a communicating passage 20 leading therinto, and a check valve 21, near its lower end and immediately above the said passage.

15 From the foregoing, it will readily be seen that I have provided an exceedingly simple and inexpensive pump attachment for an oil can, and one which is easily applied or removed, and which provides for the cleaning of the oil therefrom, so that the pump can be conveniently laid aside and not soil its surroundings.

What is claimed is:

25 1. In combination with an oil can having a threaded opening therein, of a hollow threaded member adapted to be screwed in to said opening, a pump provided with threads and adapted to be screwed into said hollow member, and means on said hollow member for cleaning said pump.

30 2. In combination with an oil can having a threaded opening therein, of a hollow split and threaded member, screwed into said opening, a pump provided with threads for engagement with said hollow split member, and means on said split member for wiping the oil from said pump.

40 3. In combination with an oil can having a threaded opening therein, a hollow split member provided with interior and ex-

terior threads, said exterior threads engaging with the threaded opening, a pump having threads for engagement with the interior threads, and means on said split member for wiping the oil from the pump. 45

4. In combination with an oil can having a threaded opening, a frusto-conical threaded member seated in said opening, a pump adapted to be passed through said frusto-conical member, and means on said pump for expanding the frusto-conical member when said pump is inserted. 50

5. In combination with an oil can having a threaded opening, a split frusto-conical member provided with interior and exterior threads, the exterior threads adapted for engagement in the threaded opening, a pump having a casing formed with threads, adapted to engage the interior threads and cause the expansion of the frusto-conical member, and a washer carried by the lower end of the frusto-conical member and engaging and producing a wiping action on the casing of the pump whereby when the pump is removed oil will be wiped therefrom. 55

6. In combination with an oil can having a threaded opening, a threaded member in said opening, a pump in said threaded member, the lower end of said threaded member being bent to form an annular recess, and an apertured washer secured in said recess, said washer adapted to produce a wiping action against said pump. 60

In testimony whereof I affix my signature, in presence of two witnesses. 75

SIMON J. NAGEL.

Witnesses:

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E. R. BARNES.