Mar. 3, 1925. 1,528,027

H. A. R. PETERSON

OIL CAN COCK AND SPOUT

Filed Sept. 19, 1924

Fig. 1.

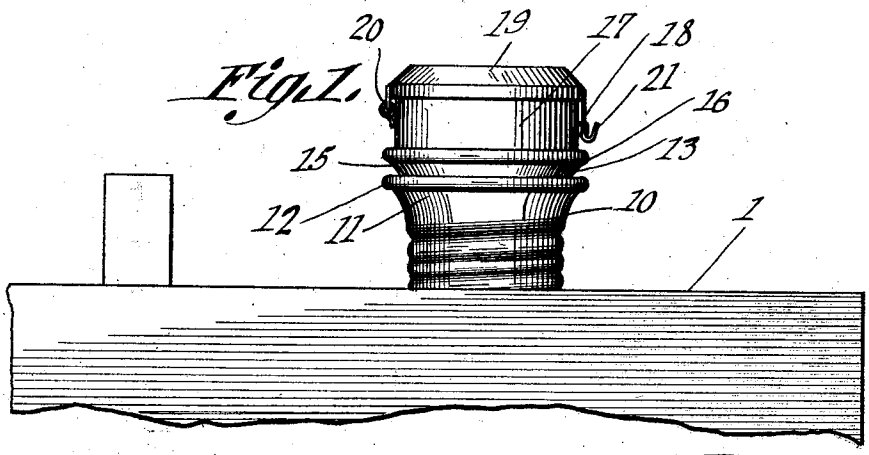


Fig. 2.

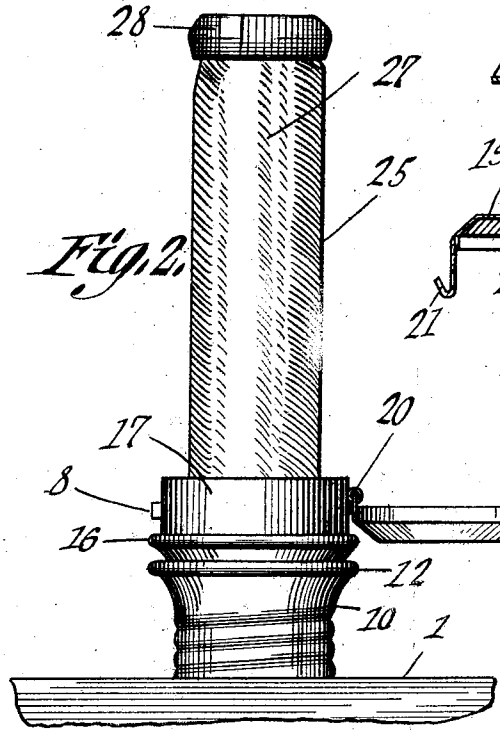


Fig. 3.

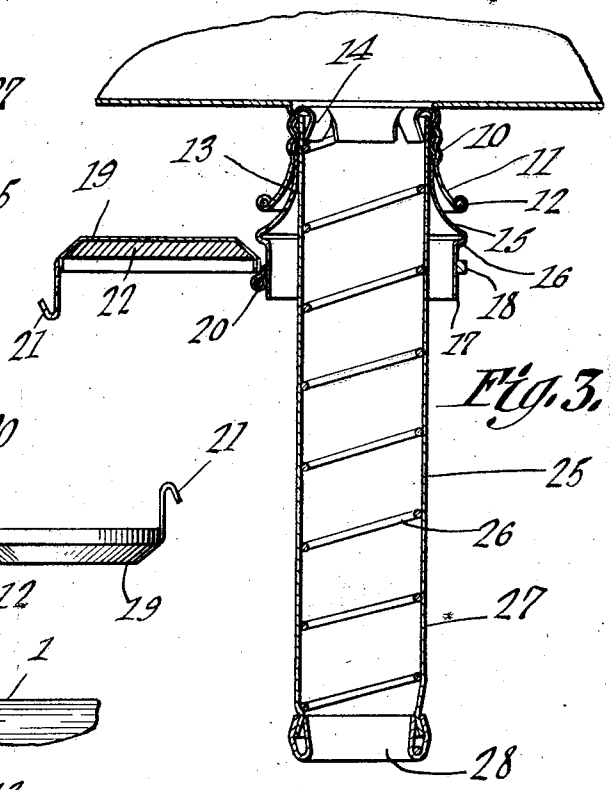
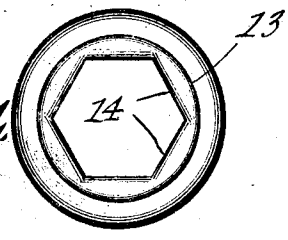


Fig. 4.



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UNITED STATES PATENT OFFICE.

HERBERT A. R. PETERSON, OF MANKATO, MINNESOTA.

OIL-CAN COCK AND SPOUT.

Application filed September 19, 1924. Serial No. 738,630.

To all whom it may concern:

Be it known that I, HERBERT A. R. PETERSON, a citizen of the United States, residing at Mankato, in the county of Blue Earth and State of Minnesota, have invented a new and useful Oil-Can Cock and Spout, of which the following is a specification.

This invention relates to a combined stopper and spout to be used on oil or other containers.

The object of the invention is to provide a device of this character in which the spout is retractible and expansible and which when the lid is opened moves automatically outward into expanded operative position.

Another object of the invention is to provide a device of this character, the spout portion of which is made flexible so as to bend to adapt it to fit inconvenient places which are not easily accessible for a rigid spout.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 represents a side elevation of a portion of a container equipped with this improvement, the spout being shown inclosed and the lid fastened to hold the spout in retracted position.

Fig. 2 shows a similar view with the lid open and the spout in projected position ready for use;

Fig. 3 is a longitudinal section in inverted position showing the spout open ready for use; and

Fig. 4 is a detail plan view.

In the embodiment illustrated the container 1 is shown which may be an oil can or any other container and which has projecting therefrom a tubular metal casing or fixed pouring spout 10, the outer end or mouth of which is flared as shown at 11 and rolled to form a reinforcing bead 12. The sleeve or collar 10 which is carried by the container 1 is threaded at its inner end to detachably receive the combined stopper and spout here shown constructed in the form of a tubular sleeve 13 having its inner end threaded to engage with the threads of sleeve 10 and which is slit beyond said threads at its terminal to form clamping fingers 14 between which and the body of the member 13 the projectable and retractable spout 25 is designed to be clamped and which is constructed as hereinafter more fully described.

The member 13 flares outwardly and is provided intermediate its ends with an annular rib 16 which merges into an annular collar or circular band 17 over which the lid 19 is designed to fit. This lid 19 is hinged at one side of the collar 17 as shown at 20 and is equipped with a spring catch 21 which engages a cooperating projection 18 carried by the collar 17 shown clearly in Figs. 2 and 3.

The auxiliary flexible spout 25 is constructed of a large coiled spring 26 preferably made of 22 steel wire covered with a leather casing 27 with the seam forming the casing faced to the back so that the oil will not pass over the sewed portion of the casing. The leather from which this casing is constructed is soaked in bees-wax, rosin and oil so as to prevent oil from leaking through the porous leather.

A metal collar 28 is mounted on the outer end of the spout 25 and connects the leather casing 27 thereof with the wire 26. This band or collar 28 protects the casing from wear and also operates to assist in sealing the spout when compressed against the lid 19 which has a packing gasket 22 on its inner face against which said end abuts when the lid is closed. This construction provides a fluid tight joint so that oil or other contents of the container 1 will not leak through the cover.

The compressible tubular spout 25 when not in use is placed within the member 13 and held therein by the cover 19 which protects the tube against dust and the like as well as holding it out of the way when not in use.

When it is desired to pour out some of the oil or other contents of the container 1 the lid 21 is released from engagement with the projection 18 and the cover swung open which permits the spout 25 under the tension of the spring 26 to spring outwardly into the position shown in Figs. 2 and 3 in which position the device is ready for use. The flexibility of the spout 25 permits it to bend around to reach inaccessible places or

places which would be inaccessible when using a can of large size with a rigid spout.

After the spout 25 has been used and it is desired to retract it it is compressed against the tension of the spring 26 into the member 13 and the lid 19 shut down over it and clamped by engaging the catch 21 with the projection 18.

It is of course understood that the spout 25 may be of any suitable size or desired length and preferably it is made of about five to six inches long when it is expanded and when contracted it is out of sight and out of contact with dust and the like.

I claim:—

1. The combination with a container having a threaded pouring spout, a threaded sleeve for detachable engagement with said spout, a hinged lid carried by said sleeve, a flexible auxiliary spout mounted at one end in said sleeve and having a reinforcing metal band at its other end, and a coiled spring mounted in said auxiliary spout and secured at opposite ends to the opposite ends of the spout whereby the spout is projected when the lid is opened.

2. A metal sleeve having one end slit and bent inwardly to form clamping fingers, the other end flaring and provided with an annular band equipped with a hinged closure, a flexible tubular casing secured at one end between said fingers and sleeve and provided at its other end with a metal reinforced band, and a coiled spring mounted in said casing and secured at its opposite ends thereto.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERBERT A. R. PETERSON.

Witnesses:

D. G. STOCKMAY,

JOHN CHRS.