A. BINDLEY.

OIL CAN.

APPLICATION FILED MAY 26, 1917.

1,302,289.

Patented Apr. 29, 1919.

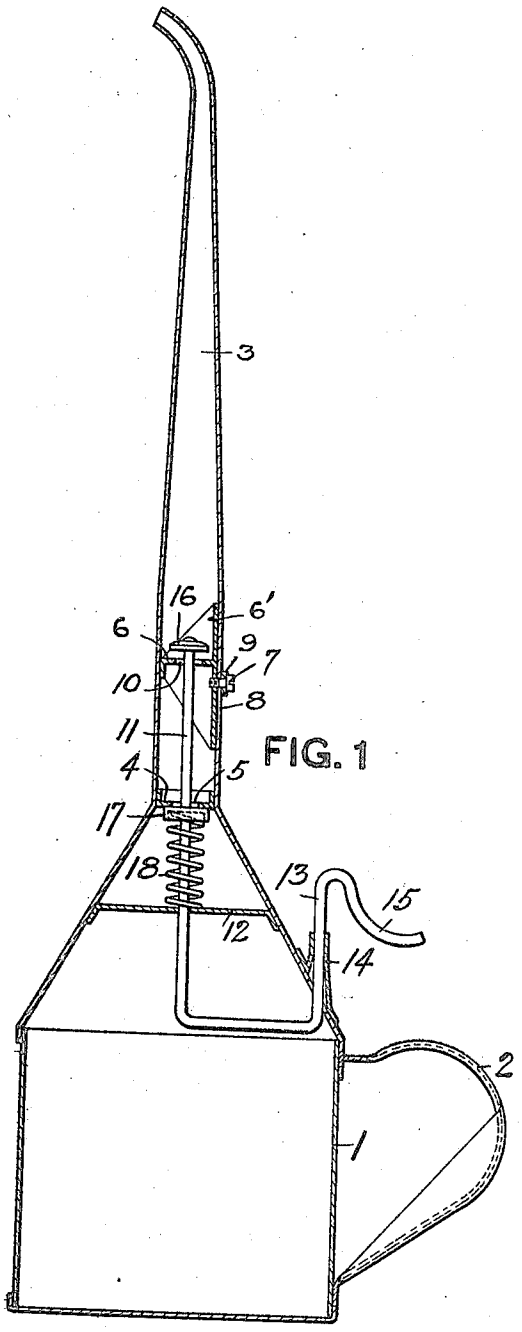


FIG. 1

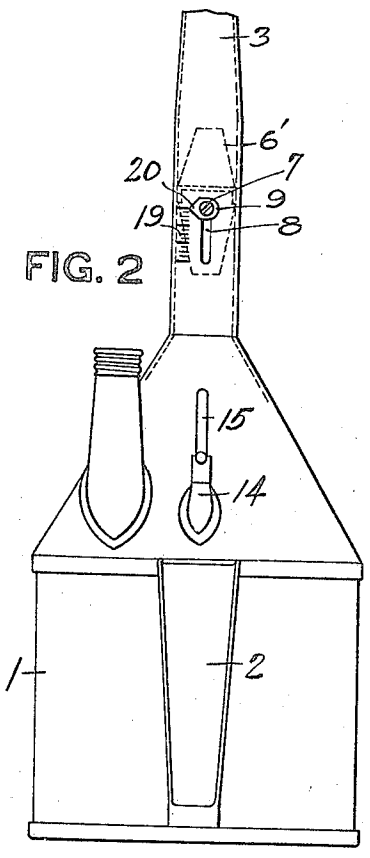


FIG. 2

INVENTOR

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UNITED STATES PATENT OFFICE.

ALBION BINDLEY, OF NORTH CHARLEROI, PENNSYLVANIA, ASSIGNOR TO PITTSBURGH STEEL PRODUCTS COMPANY, OF PITTSBURGH, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

OIL-CAN.

1,302,289. Specification of Letters Patent. Patented Apr. 29, 1919.

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To all whom it may concern:

Be it known that I, ALBION BINDLEY, a citizen of the United States, and resident of North Charleroi, in the county of Washington and State of Pennsylvania, have invented a new and useful Improvement in Oil-Cans; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to improvements in oil cans, and is particularly concerned with the provision of means in oil cans by which predetermined, measured quantities of oil may be segregated from the mass of oil in the body of the can, and such predetermined quantity only delivered to the part to be oiled.

A further object of the invention is to provide means for varying the predetermined amount of oil to be so delivered.

With these objects in view, the invention consists in the construction, arrangement of parts, and method of use illustrated in the accompanying drawings and hereinafter described.

In the drawings, Figure 1 is a longitudinal sectional view of an oil can embodying the improvements; Fig. 2 is a fragmentary elevation of the can looking toward the side from which the handle projects.

In the embodiment of my invention herein selected for illustration, 1 indicates the body of the can having the handle 2 and a spout 3. At the junction of the spout with the body of the can is a perforated partition-plate 4 having an opening 5 through which the oil may pass from the body of the can into the spout. Also mounted in the spout and removed from the partition 4 is a second partition 6, which is carried by the member 6′ adapted to slide longitudinally of the spout. This sliding member 6′ has a holding-screw 7, the shank of which works in a slot 8 of the spout and, if desired, a washer 9 may be provided immediately beneath the head of the screw. The partition member 6 is also provided with an opening 10 to deliver the oil to the extension of the spout. Within the body 1 of the can and spout 3 is mounted a rod 11, which is guided in a cross-piece 12, said rod having an extension 13 adapted to be guided in a guide-sleeve 14 mounted on the body of the can. The extension 13 is provided with a finger-piece 15 extending out just above the handle 2 of the can so that the rod 11 may be moved down in the spout by the thumb of the user while grasping the handle 2. At the upper or outer end of the rod 11 is mounted a valve member 16 extending over and adapted to close the opening 10 in the sliding partition 6′. Also on the rod 11 is mounted a second valve member 17, which is normally held in position to close the opening 5 in the partition member 4 by means of a spring 18, which bears against the guide member 12 and the second valve member 17.

It will be seen from an inspection of Fig. 1 that when the valve member 17 is held in a position to close the opening 5 in the partition member 4 the upper valve member 16 is raised above the opening 10 in the upper partition 6.

When it is desired to deliver a certain predetermined, measured quantity of oil from the can to the part to be oiled, the upper partition-member 6 together with its sliding member 6′ is adjusted along the spout to a position which limits the chamber between the partitions 4 and 6 to the desired capacity. The valve rod 11 with its valves 16 and 17 is then depressed by pressing on the valve rod extension 15. This first causes the valve member 17 to open the passage 5 in the division wall 4, and then causes the second valve member 16 to close the passage 10 in the adjustable partition-member 6. The can is then tilted and oil permitted to flow into the chamber between the partition-members 4 and 6 until said chamber is filled. The valve-rod is then released, which closes the opening 5 in the lower partition 4 and opens the opening in the upper partition 6, thus permitting the user to deliver the required amount of oil to the part to be oiled. This operation may be repeated as often as desired, and each time it will be seen only such quantity of oil is delivered as the part to be oiled requires.

In order that the user may determine accurately what quantity of oil he is delivering, the outside of the spout may be provided with a graduated scale 19 and the head of the screw 7 or the washer 9 may be provided with a pointer 20 for operating the said scale.

Having described a particular embodiment of my invention, but without limiting the same to the particular construction and arrangement of parts shown and described,

the scope of the invention is indicated in the appended claims.

What I claim is:

1. An oil can comprising a main reservoir for the oil, a spout connected thereto, a permanent horizontal partition in said spout having an opening therein, an adjustable partition in said spout above said first-named partition having an opening therein, a rod extending through the openings in said partitions, said rod extending to a point without said can whereby said rod may be moved up and down, valves carried by said rod, a valve closing the opening in said first-named partition being spring-actuated and held normally in closed position, the valve at the upper end of said rod being normally unseated.

2. An oil can comprising a reservoir for containing oil and a spout connected thereto, a permanent partition in said spout having an opening therein, a sliding member within said spout, a thumb screw connected to said sliding member and engaging a slot formed in said spout, a partition carried by said sliding member having an opening therein, a rod extending through the openings in said partitions, said rod extending without said can whereby said rod may be moved longitudinally, a spring actuated valve carried by said rod normally closing the opening at the said first-named partition, and a valve carried by said rod for the opening in said second-named partition and normally unseated.

In testimony whereof, I the said ALBION BINDLEY, have hereunto set my hand.

ALBION BINDLEY.

Witnesses:
J. P. BOORE,
L. B. MATTIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."