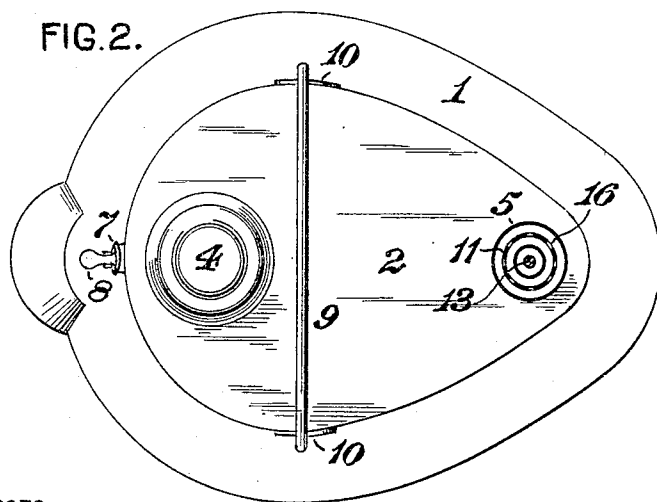
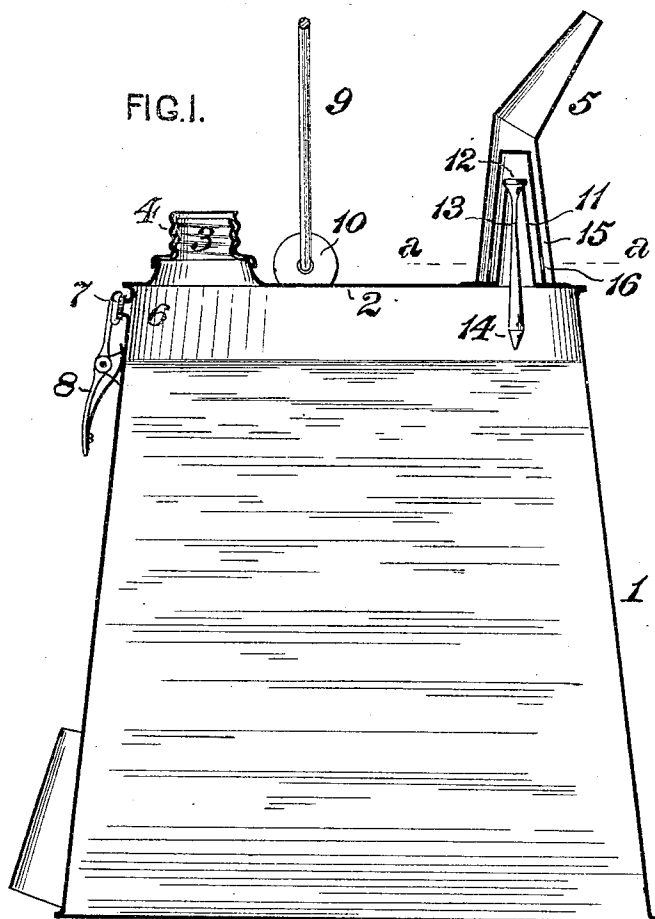


No. 809,281.

PATENTED JAN. 9, 1906.

B. BUCCIERI.
SAFETY DEVICE FOR OIL CANS.
APPLICATION FILED JUNE 23, 1905.



WITNESSES

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UNITED STATES PATENT OFFICE.

BENEDETTO BUCCIERI, OF SHARPSBURG, PENNSYLVANIA, ASSIGNOR OF
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SAFETY DEVICE FOR OIL-CANS.

No. 809,281.

Specification of Letters Patent.

Patented Jan. 9, 1906.

Application filed June 23, 1905. Serial No. 266,640.

To all whom it may concern:

Be it known that I, BENEDETTO BUCCIERI, of Sharpsburg, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Safety Devices for Oil-Cans, of which improvement the following is a specification.

The object of my invention is to provide a simple, efficient, and inexpensive appliance which shall be readily applicable to oil-cans of the ordinary construction and by the use of which "back firing" or the ignition of the oil contained in the can will be effectually prevented.

The improvement claimed is hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a vertical central section through an oil-can, illustrating an application of my invention; and Fig. 2 a view, partly in plan and partly in section, on the line *aa* of Fig. 1 of the same.

My invention is herein exemplified as applied in connection with an oil-can 1 of the ordinary type, the top 2 of which is provided with the usual filling opening or nozzle 3, which is closed by a screw-cap 4 and with a discharge-spout 5. An air-inlet 6, which is controlled by a properly-packed valve 7, fixed on a thumb-lever 8, is formed on the side of the can near its top for the admission of air when pouring oil from the can. So far as described the above construction is substantially similar to those heretofore generally known and used.

In the practice of my invention I provide a discharge-tube 11, which is open at both ends and is fixed to the top 2 of the can within the spout 5. The outer end opening of the discharge-tube is normally closed by a check or non-return valve 12, fixed upon a stem 13, which projects into the can and is enlarged at and near its inner end to form a closing-weight 14. The discharge-tube 11 is inclosed by a casing 15, which is fixed to the top of the can between the discharge-tube and the spout and in which there is formed a plurality of discharge-openings 16, the aggregate area of which is substantially equal to that of the outer end opening of the discharge-tube, which in turn is substantially equal to that of the outer end opening of the spout.

In the operation of the appliance when the can is tilted for the purpose of pouring out oil

the check or non-return valve 12 is unseated by the action of gravity and the oil flows through the outer end opening of the discharge-tube, which is uncovered by the valve, into the casing 15 and through the openings 16 thereof into the spout 5, from which it is discharged in the usual manner. When the can is returned to or near its normal vertical position to stop the discharge of oil, the valve 12 is seated on the discharge-tube by the gravity of the connected weight 14 and communication between the spout and the interior of the can is completely cut off, and the valve remains seated until the can is again tilted for pouring.

It will be seen that by my improvement back firing or the ignition of the oil in the can is absolutely prevented, as if the stream issuing from the spout should become ignited after the can is tilted back toward normal position sufficiently far to cause the stream of oil to be interrupted between the can and a fire on which the holder of the can may be pouring oil combustion cannot extend beyond the length of the interrupted stream and the small quantity of oil remaining in the spout and the casing 15, the oil within the can being cut off by the valve. The frequent occurrence of fatal accidents due to the use of the ordinary oil-can by careless persons in kindling fires clearly indicates the practical value and importance of an appliance which can be applied without involving complicated mechanism or large cost and which will operate as an effective safeguard.

I claim as my invention and desire to secure by Letters Patent—

1. The combination, with an oil-can, of a spout, an open-ended discharge-tube therein, a check or non-return valve controlling said discharge-tube, a closing-weight fixed to said valve, and a perforated casing interposed between the discharge-tube and the spout.

2. The combination, with an oil-can, of a spout, an automatically-acting valve controlling communication between the spout and the interior of the can, and a perforated casing interposed between the valve and the spout.

BENEDETTO BUCCIERI.

Witnesses:

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