

R. T. COOKE.
CAN SPOUT.

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1,018,552.

Patented Feb. 27, 1912.

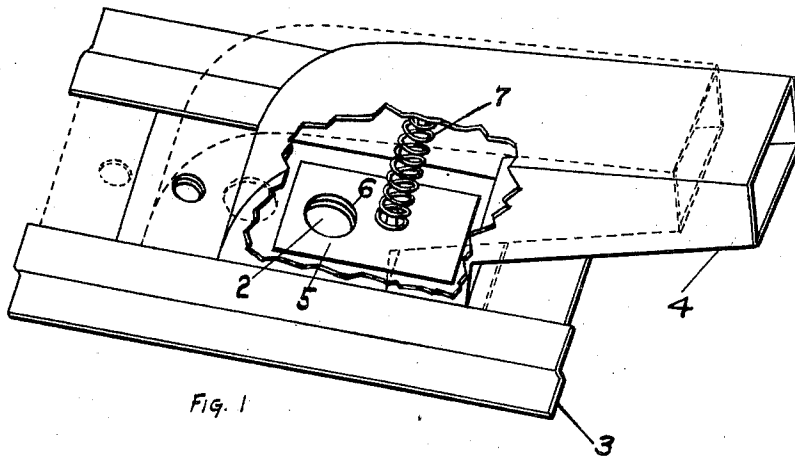


Fig. 1

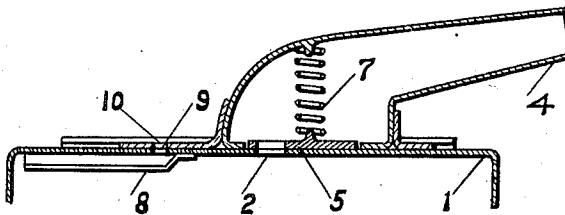


Fig. 2

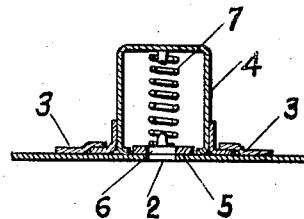


Fig. 3

WITNESSES:

Wm. J. Campbell.
Nelle Higgins.

INVENTOR.

Richard T. Cooke.
BY Ernest H. Good
ATTORNEY.

UNITED STATES PATENT OFFICE.

RICHARD T. COOKE, OF INDIANAPOLIS, INDIANA.

CAN-SPOUT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RICHARD T. COOKE, a citizen of the United States, residing at Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Can-Spouts, of which the following is a specification.

The invention relates more particularly to a can adapted to carry coal oil or gasolene.

Late years oil and gasolene has been delivered to the customer or consumer in one gallon cans. Considerable difficulty has been encountered in providing a can which is easily filled and also easily emptied. A number are on the market provided with spouts which have been more or less successful. The great trouble encountered, however, is with leakage.

My present invention consists of a spout provided with a valve which will close the opening in the top of the can and make a perfectly tight joint. When this spout is then placed in opened position, a free discharge is provided so that the contents of the can readily flows out when the can is tilted up.

The accompanying drawings represent my invention.

Figure 1 is a perspective view showing the can partially cut away. The dotted lines in this view show the spout in closed position. Fig. 2 is a cross section of the same showing the spout in operative or opened position. Fig. 3 is a front sectional elevation of a portion of a can showing my improved spout.

The numeral 1 represents a can body provided with a vent or opening 2.

Rigidly mounted on the top of the can and adjacent opening 2 are two guides 3. A movable spout 4 is mounted on top of the can and slides in these guides 3. This spout 4 is provided with a large open bottom portion which carries a plate valve 5 provided with an opening 6 designed to register with opening 2 when the spout is in discharging position. This valve is held in position down against the top of the can by means of a spring 7 interposed between the top of the valve and the under side of the spout.

The operation of this is as follows: When the spout is in position shown in full lines in the drawings, if the can is tilted the contents will pass through opening 2, opening 6 and out through the spout. Now, if the spout is pushed back into the position shown in dotted lines, the valve 5 slides over opening 2 and closes it. This joint is then perfectly tight and the contents cannot leak out. To provide an air inlet to replace the oil, which has emptied out, with air, I fasten a V-shaped vent 8 on the inside of the top of the can which runs back to a point opposite the spout and about half way down the center of the can I provide a small opening 9 which registers with an opening 10 in the tail extension of spout 4. This registers when the spout is in the opened position. When the spout is moved to closed position, the vent hole is automatically closed up.

I am aware of the fact that sliding spouts have been provided for cans of this type. I am also aware of the fact that vents similar to that described above have been provided. My invention, however, consists in providing this spout with a spring actuated valve which automatically seats itself and will maintain a tight closure when desired.

I therefore claim as my invention:

The combination of a can with a sliding spout, a rectangular opening in the bottom of said spout, a flat valve mounted in said rectangular opening, an opening in said valve adapted to register with an opening in the top of the can, a spring interposed between the valve and the spout whereby the valve is held against the can top, a tail extension carried by the spout, an opening therein registering with an opening in the can top, a V-shaped vent on the under side of the can top connected with said opening and extending backward to a point near the rear wall of the can, all arranged to cooperate substantially as and for the purpose set forth.

RICHARD T. COOKE.

Witnesses:

E. K. HOOD,
WM. J. CAMPBELL.