

F. H. RUNDALL,
TANK LOCK.
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1,348,744.

Patented Aug. 3, 1920.

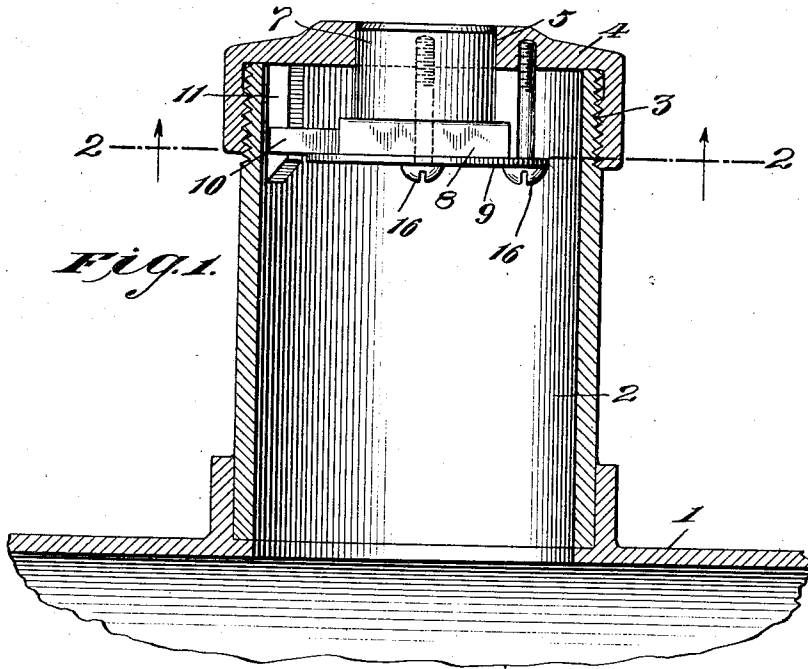


Fig. 2.

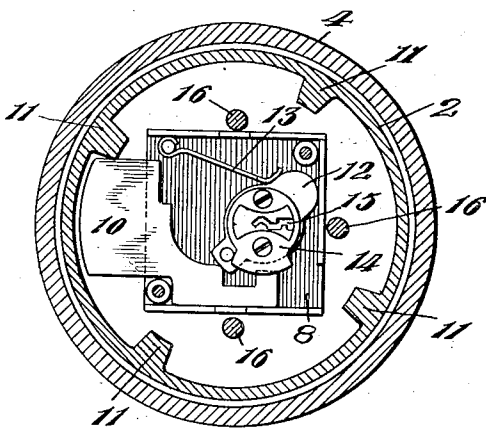
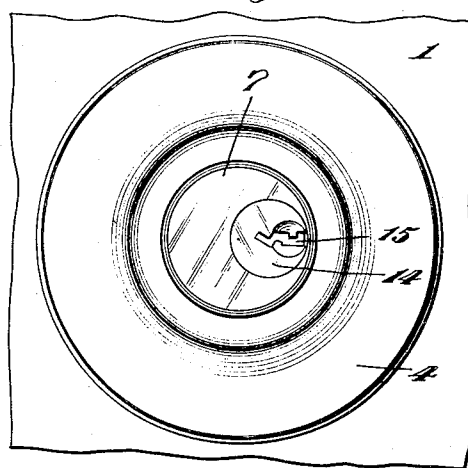


Fig. 3.



WITNESSES
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FREDERICK HENRY RUNDALL, OF FALL RIVER, MASSACHUSETTS.

TANK-LOCK.

1,348,744.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK H. RUNDALL, a citizen of the United States, and a resident of the city of Fall River, in the county of Bristol and State of Massachusetts, have invented a new and Improved Tank-Lock, of which the following is a full, clear, and exact description.

This invention relates to improvements in tank locks, and more particularly to means for locking the caps or plugs of gasoline tanks on automobiles, an object of the invention being to provide a device of the character stated which will prevent the theft of gasoline while the car is standing in garages or elsewhere, as the cap or plug can be removed only by an authorized person with the proper key.

A further object is to provide a cap with an improved lock which prevents turning of the cap to unscrew the same, and which improvement can be utilized on all forms of tank having a removable cap closing the inlet to the tank.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings:—

Figure 1 is a view in vertical section illustrating my improvements.

Fig. 2 is a view in section on the line 2—2 of Fig. 1.

Fig. 3 is a plan view.

1 represents a gasoline tank, having the ordinary inlet spout 2, externally screw-threaded at its upper end, as shown at 3, to receive the internally screwthreaded cap 4.

The cap 4 has a central opening 5 receiving a lock casing 7, the latter having a bolt casing 8 at its inner end. A plate 9 secured to the bolt casing 8 is secured to the cap 4 by screws 16, which project through the plate and are screwed into the cap, as clearly shown in Fig. 1.

A sliding bolt 10 is movable in bolt cas-

ing 8 and when projected lies in the path of internal lugs 11 integral with spout 2, to prevent turning of the cap.

The bolt 10 is operated by a lever 12 which is held in its extreme positions by a spring 13 and a rotary barrel 14 is carried by casing 7 and has a key-hole therein to receive the proper key to turn the same.

It is of course to be understood that the barrel 14 will be provided with suitable means to permit the operation of the proper key only and I may employ any form of lock mechanism desired to control the operation of the bolt.

When the cap 4 is screwed down, the bolt 10 is operated by the lock to position the end of the bolt in the path of the lugs 11 so that the cap cannot be turned to unscrew the same until the bolt is withdrawn by the operation of the lock.

Various slight changes might be made in the general form of the parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such slight changes as fairly fall within the spirit and scope of the appended claim.

I claim:—

The combination with a tank having an outer externally threaded cylindrical spout thereon and a threaded cap adapted to be screwed over the end of the spout of a series of lugs fixed to the inner face of the spout, a plate spaced from the top of the cap, a bolt casing carried by the plate, a lock casing carried by the cap, a sliding bolt in the bolt casing, a rotary barrel in the lock casing having a key hole therein, a lever operated by the barrel and operating the sliding bolt to move it into engagement with said lugs, a spring holding the lever in its extreme positions, said barrel adapted to be operated by an operating means inserted through the top of the cap and said cap adapted to be locked on the spout when either partially or entirely screwed home.

FREDERICK HENRY RUNDALL.