

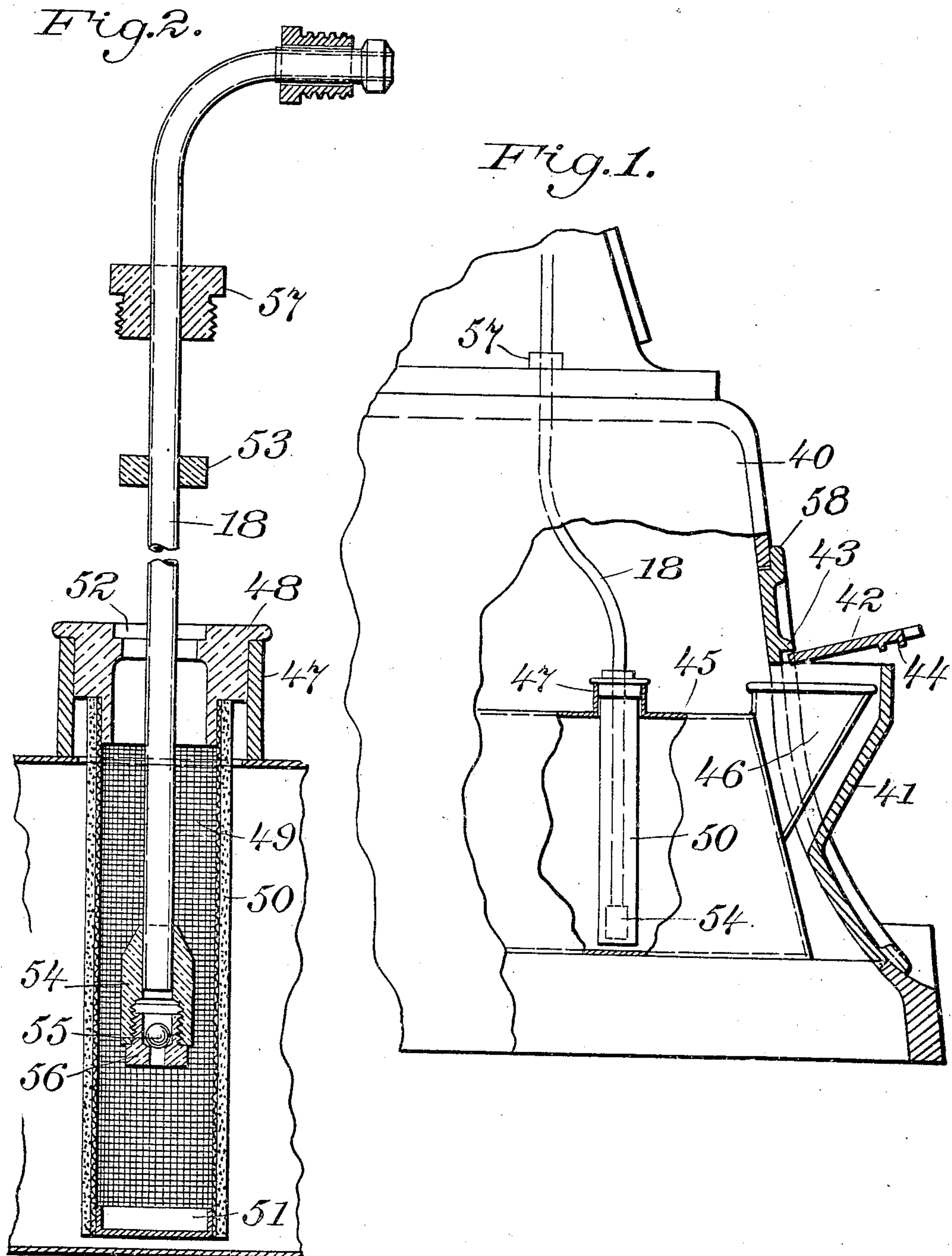
No. 817,671.

PATENTED APR. 10, 1906.

C. J. ROUSSEAU & E. C. FERRIS.

OIL ENGINE.

APPLICATION FILED MAR. 1, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

CANFIELD J. ROUSSEAU, OF NEW YORK, N. Y., AND ELMER C. FERRIS, OF STAMFORD, CONNECTICUT.

## OIL-ENGINE.

No. 817,671.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed March 1, 1905. Serial No. 247,975.

*To all whom it may concern:*

Be it known that we, CANFIELD J. ROUSSEAU, a subject of the King of Great Britain, residing in the borough of Manhattan, city, county, and State of New York, and ELMER C. FERRIS, a citizen of the United States of America, and a resident of Stamford, county of Fairfield, State of Connecticut, have invented certain new and useful Improvements in Oil-Engines, of which the following is a specification.

Our invention relates to oil-tanks in general, and more specifically consists of an improved arrangement of oil-tanks in the bed-castings of oil-engines.

In the present arrangement of oil-engines it is necessary to either remove the oil-tank from the base of the engine to fill the same or to partly dismantle the engine to get at the tank in its hidden position within the bed-casting.

We have invented an improved construction of oil-tank and bed-casting which permits the tank to be easily refilled.

The preferred form of apparatus embodying our invention is illustrated in the accompanying drawing, in which the figure is a detail view, partly broken away and partly in section, showing our improved form of tank.

Throughout the drawing like reference-figures indicate like parts.

40 represents the base or bed-casting of an engine, which is provided with a door 58, through which the oil-tank 45 may be originally introduced. In this door or in some other convenient portion of the wall of the casting is formed a projecting portion 41, which forms a pocket, open at the top, conveniently closed by a cover 42. This cover is preferably held in place by the flange 43, overlapping its inner edge, and the ribs 44 on its under surface. 46 is a spout formed on the oil-tank 45, projecting into this pocket, formed, as above described, under the cover 42.

The operation of our invention is clear from the foregoing description. In order to fill the tank, it is only necessary to lift up the

cover and pour the oil into the spout 46 without removing the tank or otherwise dismantling the engine-bed.

The advantages of our invention comprise the convenience and saving of time in filling the oil-tank and avoidance of all danger of spilling oil or injuring the tank in handling same.

It is evident that various changes could be made in the details of construction, illustrated in the drawing, without departing from the spirit and scope of our invention so long as the principles of construction and operation above set forth are retained.

Having therefore described our invention, we claim—

1. The combination with the casting forming an engine-bed, of a projecting portion thereon, a removable cover therefor and an oil-tank adapted to be placed inside of said casting and provided with a projecting spout extending into the projecting portion of the casting.

2. The combination with the hollow casting forming an engine-bed of a door in the side thereof, a projecting portion thereon, a removable cover for said projecting portion, and an oil-tank adapted to be introduced into the hollow casting through said door and provided with a projecting spout extending into the projecting portion of the door when said door is in closed position.

3. The combination with the casting forming an engine-bed, of a projecting portion thereon, a removable cover therefor and an oil-tank adapted to be placed inside of said casting and provided with a projecting spout extending into the projecting portion of the casting, said cover being provided with ribs on its under side engaging the upper edge of the projecting portion of the casting.

Signed at New York, N. Y., this 28th day of February, 1905.

CANFIELD J. ROUSSEAU.  
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