C. S. ROBERTSHAW.

RADIATOR FILLING ATTACHMENT FOR AUTOMOBILES.

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1,283,910.

Patented Nov. 5, 1918.

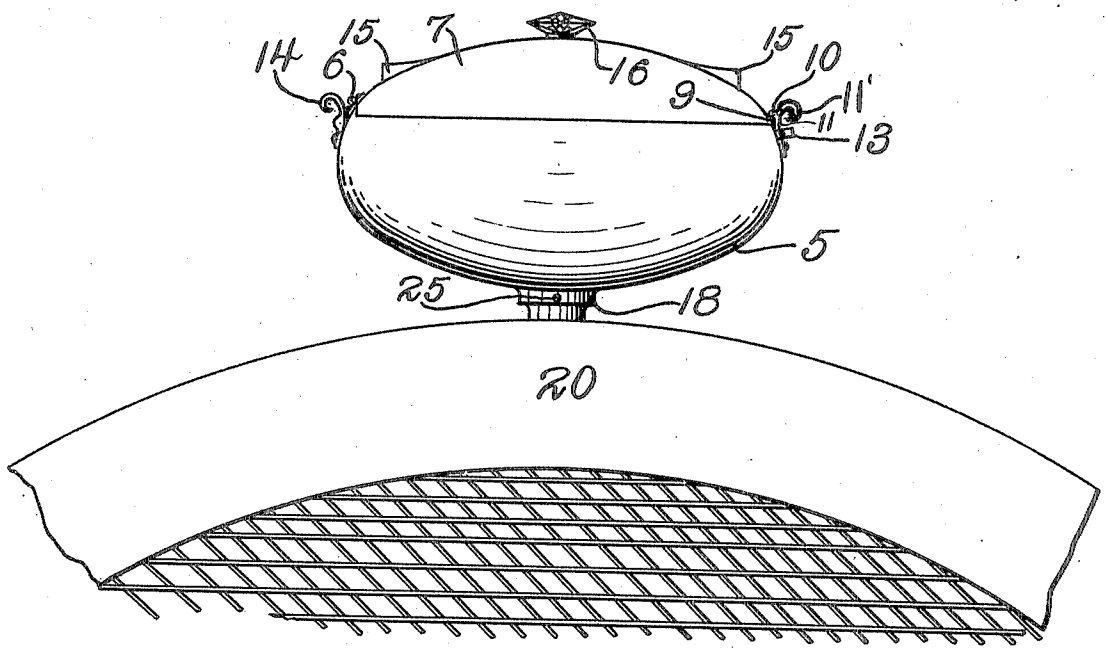


Fig. 1

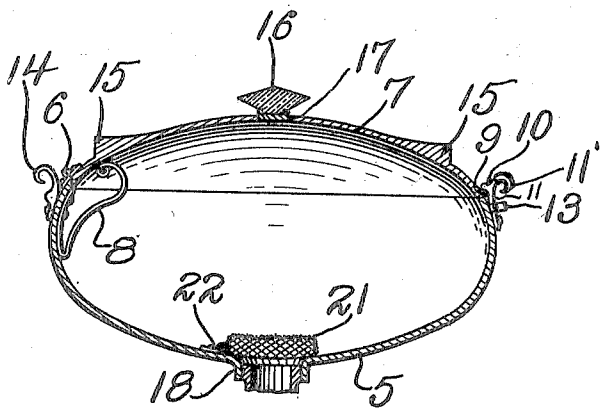


Fig. 2

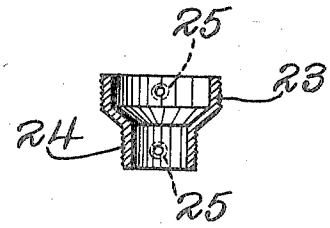


Fig. 3

Witnesses:
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UNITED STATES PATENT OFFICE.

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RADIATOR-FILLING ATTACHMENT FOR AUTOMOBILES.

1,283,910. Specification of Letters Patent. Patented Nov. 5, 1918.

Application filed November 10, 1916. Serial No. 130,616.

To all whom it may concern:

Be it known that I, CHARLES S. ROBERTSHAW, a citizen of the United States of America, residing at Natchitoches, in the parish of Natchitoches and State of Louisiana, have invented certain new and useful Improvements in Radiator-Filling Attachments for Automobiles, of which the following is a specification.

This invention relates to a radiator filling attachment for automobiles and its object is to provide a structure adapted to be connected to the usual filling opening of an automobile radiator and when in position will provide a receptacle into which water may be poured with much greater ease than it could be poured through the usual filling opening, whereby spilling of the water is prevented.

It is a further object of the invention to provide a structure of highly ornamental design which will improve the appearance of the automobile, will effectually strain the water passed therethrough, will be adjustable to radiators of different sizes, will not become overheated to such an extent as to burn the fingers of the user and will provide means for the insertion of a thermometer so that the temperature of the water in the radiator may be ascertained.

Further objects and advantages of the invention will be set forth in the detailed description which now follows:

In the accompanying drawing:—

Figure 1 is a front elevation of my improved radiator filling attachment.

Fig. 2 is a longitudinal, sectional view therethrough, and

Fig. 3 is a detail, sectional view of a reducing connection hereinafter described.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing it will be seen that the invention comprises a receiver consisting of an elongated body portion 5 having hinged thereto at 6 a lid 7, these parts complementally forming a structure that is substantially oval in longitudinal section. A spring 8 secured to the body portion 5 has its free end bearing against the under side of the lid 7 and normally tends to throw said lid to open position. The free edge of the lid has a rolled portion 9 adapted to engage beneath the lip 10 of a spring catch 11, the latter being secured to the body portion 5 and having a guard 13 extending therearound to limit the movement of the spring catch 11 away from the lid 7. When the spring catch 11 is pressed by the thumb away from the lid 7, spring 8 throws the lid upwardly and rearwardly until it abuts against a spring stop 14 that is secured to the body 5. This spring stop corresponds in shape to the spring catch 11 and, consequently, these parts aid in contributing to the ornamental appearance of the article as a whole. To further aid in producing an ornamental effect, the lid 7 is provided with the extensions 15. An ornamental knob 16 which may be of any desired shape or carry any desired form of ornament, screws into an opening 17 formed in the lid 7 and by removing this knob 16 a thermometer may be passed through the opening 17 to thereby ascertain the temperature of the water in the radiator.

The lower part of the body 5 carries a threaded extension 18 adapted to engage the usual threaded filling extension of an automobile radiator indicated at 20 and this threaded extension 18 is covered by a sieve 21 that is hinged to the body 5 at 22 so that by removal of the pintle of the hinge, the screen may be readily removed and another substituted therefor. In order to adapt the device to be used with smaller cars than those adapted to be engaged by extension 18, I provide the reducing extension shown in Fig. 3, said extension comprising a threaded portion 23 adapted to engage the threaded extension 18 and a smaller threaded portion 24 adapted to engage the radiator filling extension of smaller cars. Set screws 25 serve to hold the extensions against turning.

From the foregoing description, it will be seen that the present invention provides a highly ornamental, normally closed filling attachment for automobiles of such ornamental form as to improve the appearance of a car and of such capacity as to permit water to be poured therein without spilling the same.

Furthermore the substitution of my device for the usual screw cap of the radiator obviates the necessity of unscrewing said caps from the radiator or screwing said caps in place. This is an advantage because said caps become very hot. A further advantage of my structure is that there is no likelihood of a cap or lid becoming lost as in heretofore known devices. If desired, the spring cap 11

may be provided with a rubber covering indicated at 11′ which covering will not get hot. It is also to be noted that by locating the line of division between the lid 7 and the body 5, materially above the horizontal center of the structure, the walls of the body are inwardly directed adjacent the upper edges thereof. This aids in preventing the spilling of the water; it being remembered that this device is used under conditions where frequently the radiator is filled with the engine running and consequently at a time when the structure is subjected to considerable vibration.

While the elements shown and described are well adapted to serve the purpose for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth but includes within its purview such changes as may be made within the scope of the appended claim.

Having described my invention what I claim is:

A device of the character described comprising a body portion and a cap, the two complementally forming a substantially oval structure and the cap being horizontally separated from the body portion along a line above the horizontal center of the structure so that the walls of the body portion adjacent the upper edge thereof are inclined inwardly and means for hinging the cap to the body portion at one end thereof.

In testimony whereof I affix my signature in the presence of two witnesses.

CHARLES S. ROBERTSHAW.

Witnesses:

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GASTON CASPARI.