March 27, 1928. 1,664,116

P. KORTENHOEVEN

CAR TANK

Filed June 11, 1927

Fig. 1

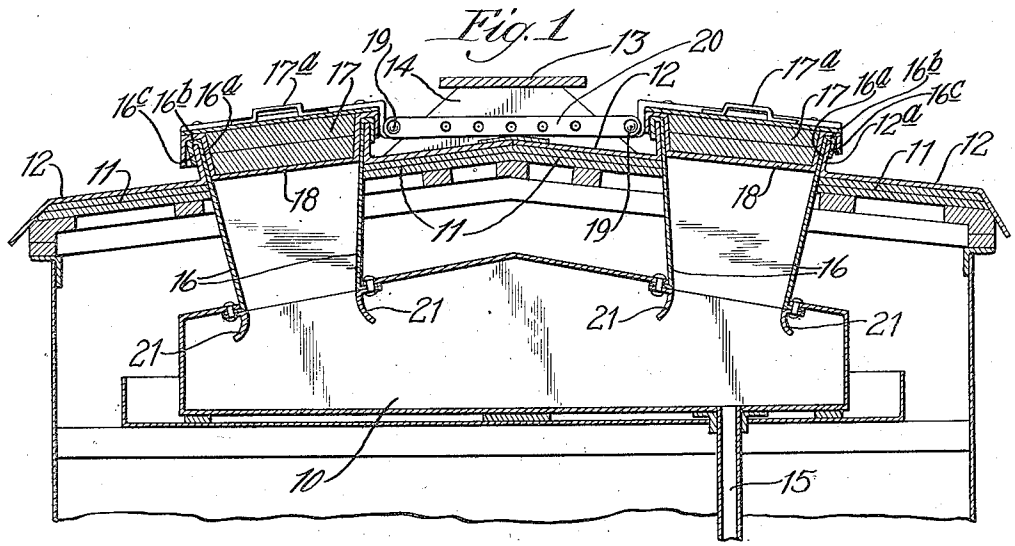
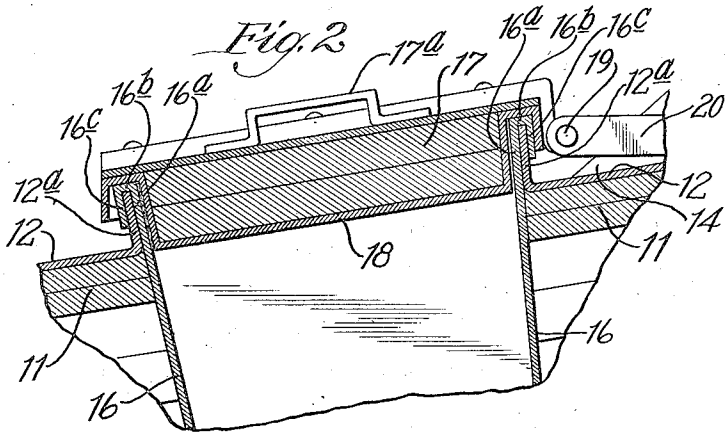


Fig. 2



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UNITED STATES PATENT OFFICE.

PETER KORTENHOEVEN, OF CHICAGO, ILLINOIS.

CAR TANK.

Application filed June 11, 1927. Serial No. 198,287.

This invention relates to improvements in car tanks, and more especially to such a tank as commonly used in poultry cars.

In such tanks as heretofore made and used, difficulty is frequently encountered from water slopping or spilling out through the neck of the tank in transit. The rocking and shaking of the car causes a great deal of disturbance and splashing of the water inside the tank with the result that some of it splashes out through the neck of the tank.

Among the features of my invention is the provision of eans to prevent such escape of water from such splashing.

In the tanks as heretofore made, difficulty is also frequently encountered because of water escaping from the tank and leaking into the space between the roof of the car and the sheet metal covering therefor. By the use of my invention, such leakage of water is entirely prevented.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention shown in the accompanying drawings, Figure 1 is a vertical sectional view, and Fig. 2 is a similar fragmentary view on an enlarged scale.

As shown in the drawings, 10 indicates a water tank as commonly arranged and supported inside of a car, the wooden roof of such car being indicated by 11 and the common sheet metal covering over said roof being indicated by 12. 13 indicates the customary running board on top of the car supported by the members 14. 15 indicates the ordinary outlet for the tank 10.

The tank 10 is provided with two filling necks 16, 16, and since these are similar, I shall describe but one in detail. The metal covering for the roof is provided with an upwardly turned edge 12^a surrounding the neck 16 which projects some distance above the sheet metal 12 as indicated by 16^a. The upper edge of the neck 16, as indicated by 16^a, extends up as high as the upper edge of the flange 12^a and then is bent outwardly as indicated by 16^b and again downwardly as indicated by 16^c. In other words, the metal covering for the roof 12 is provided with the upwardly turned flange 12^a around the neck, and the metal of the neck is carried up, over the upper edge of this flange, and bent downwardly on the outer side thereof as indicated by 16^c. It will be seen that because of this construction it is impossible for water to escape from the tank and enter between the wooden roof 11 and its metal covering 12. Any water coming up out of the neck is carried over the edge of the flange 12^a and falls on the outside thereof on top of the sheet metal covering 12. It is to be particularly noted that, although the upper edge of the neck 16 is bent over the flange 12^a it is preferably not soldered or fastened thereto. It is better not to fasten the edges 12^a and 16; since then some relative movement between these parts is permitted thus reducing the likelihood of breakage.

The neck 16 is preferably provided with a cover, here shown as a plug 17 provided with a handle 17^a and preferably covered with sheet metal 18 as shown. The cover 17 may be hingedly supported on the ends of two cross members 20 attached to the supports 14 for the running board 13.

The likelihood of water splashing out of the neck 16 is also reduced by providing two shields or baffleplates 21 inside of the tank adjacent the inner side edges of the neck 16 as shown.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention disclosed in the appended claims, in which it is my intention to claim all novelty in my invention as broadly as possible in view of the prior art.

What I claim as new, and desire to secure by Letters Patent, is:

1. In combination with a car having a wooden roof and sheet metal covering, a tank, means for supporting the tank in the car beneath the roof, and a neck on said tank projecting upwardly through the roof of the car, the sheet metal covering of the roof of the car having an upwardly turned flange surrounding said neck, and the upper edge of said neck extending upwardly above said flange and bent downwardly around the outside thereof.

2. In combination with a car having a wooden roof and sheet metal covering therefor, a tank, means for supporting the tank

in the car beneath the roof, and a neck on said tank extending upwardly through the roof of the car and projecting above the same, the sheet metal covering for the roof having an upwardly turned flange surrounding said neck.

3. A tank for a car, means for supporting said tank in a car, a filling neck on said tank, and a pair of baffle plates attached to the inside of said tank adjacent the side edges of the filling neck.

In testimony whereof, I have hereunto set my hand this 7th day of June, A. D. 1927.

PETER KORTENHOEVEN.