June 28, 1932. B. D. GRIFFIN 1,865,002

GASOLINE SERVING APPARATUS

Filed Aug. 12, 1931

Fig. 1.

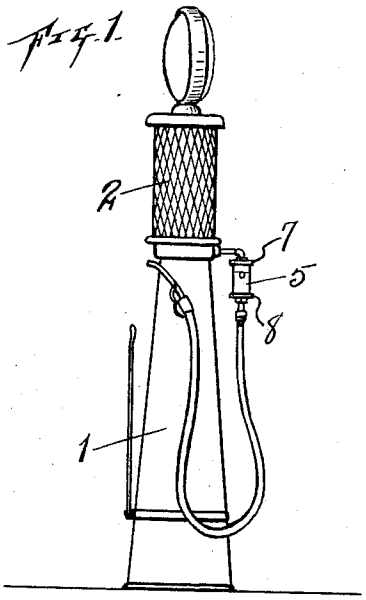


Fig. 2.

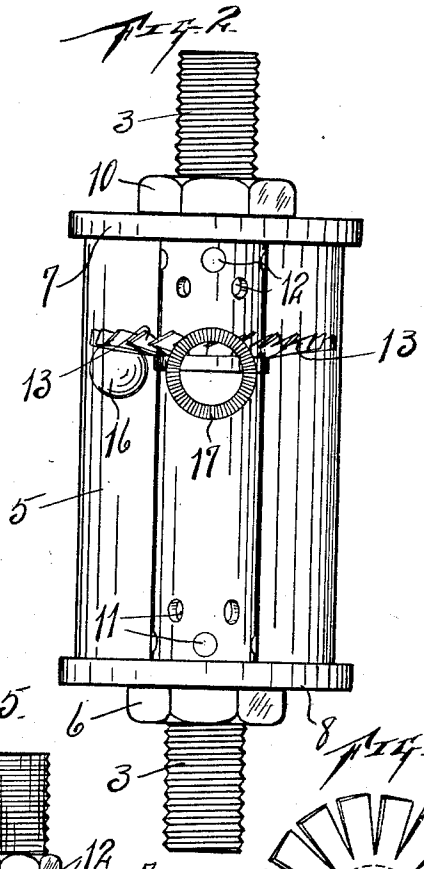


Fig. 3.

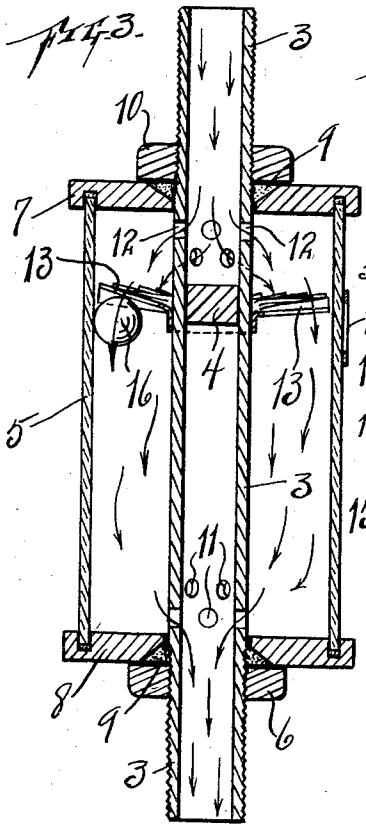


Fig. 5.

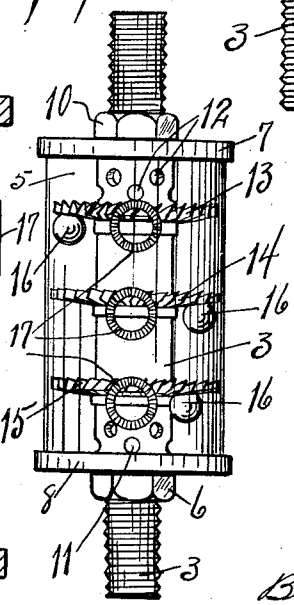
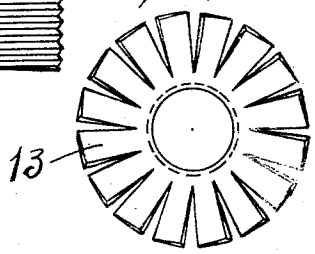


Fig. 4.



INVENTOR

Buel D. Griffin

Patented June 28, 1932 1,865,002

UNITED STATES PATENT OFFICE

BUEL D. GRIFFIN, OF FORT WORTH, TEXAS

GASOLINE SERVING APPARATUS

Application filed August 12, 1931. Serial No. 556,523.

My invention relates to improvements in gasoline serving apparatus and more particularly to permit inspection of the gasoline in its travel from the supply tank to the vehicle being served; and the object is not only to make the service of supplying gasoline plain to the purchaser so he will know that he is not being defrauded, but also to make a superior advertising device in the service pipe. An advantage of this device is that the movement of its parts, in the delivery of the gas, will attract attention of the public to any form of advertising used in conjunction with the device. Another advantage of this device is that it permits inspection of the gasoline in the blind pumps or gasoline serving apparatus. Other objects and advantages will be fully explained in the following description and the invention will be more particularly pointed out in the claims.

Reference is had to the accompanying drawing which forms a part of this application.

Fig. 1 is an elevation of a service tank and support, provided with the attachment.

Fig. 2 is a side elevation of the attachment much enlarged.

Fig. 3 is a vertical section of the attachment enlarged as in Fig. 2.

Fig. 4 is a plan view of the baffle, showing the wings struck from the material of the baffle and the edges of the wings turned upwardly to form a systematical arrangement of notches or corrugations on the lower side.

Fig. 5 is a side elevation of a modification.

Similar characters of reference are used to indicate the same parts throughout the several views.

The drawing shows a stand or support 1 and a tank 2 thereon for containing gasoline. These parts are of ordinary type and the tank 2 is to be filled by a pump (not shown) in the usual manner. The pipe 3 for conveying gasoline from tank 2 is of ordinary type, but portions thereof are modified as hereinafter explained. Pipe 3 is plugged with a plug 4 so that gasoline can not pass the plug 4. A transparent casing 5 is mounted on and supported on the pipe 3 by a nut 6. The casing 5 is preferably made of metallic disks forming a head 7 and base 8. The vertical wall 5 is preferably cylindrical and transparent, but the wall may be of different shapes, as square or rectangular or hexagon. The casing 5 is held against displacement upwardly by a nut 10. Packing 9 may be used to seal the disks 7 and 8 about the pipe 3. The pipe 3 has perforations 12 for escape of gasoline into the casing 5. The pipe 3 also has perforations 11 for the gasoline to pass back into the pipe 3 for delivery to the purchaser. Baffles 13, 14, and 15 are rigidly mounted on the pipe 3 within the casing 5 and these baffles are more or less bowl shaped, the outer rims thereof being at greater elevations than the parts which engage the pipe 3. Floating balls 16 are below each baffle. The baffles 13, 14, and 15 have wings or teeth struck therefrom which project radially outwardly and upwardly and each wing has one edge curved upwardly. The object is to give motion to the gasoline which is passing downwardly. These wings are all curved alike for the purpose of giving a whirling or rotary motion to the gasoline while it is passing downwardly through the baffles in the casing 5. There may be more or less of these baffles.

For attracting attention and also for indicating the passing of gasoline, balls 16 are mounted in the casing 5 between each two baffles. These balls are lighter than gasoline and will float in the gasoline and when the gasoline is passing through the casing 5 the balls will be given a spinning motion. The balls may be given different colors and notices may be formed on the balls and casing by painting or otherwise. The shape of the baffles will cause the balls to rise upwardly towards the outer rims of the baffles, due to the wings of the baffles being curved. Notches in the outer rims of the baffles will be formed and when the serving of gasoline stops, the balls will stop in the notches of the baffles at their outer rims and against the transparent casing 5. The gasoline is detoured from the pipe 3 for a short distance through the transparent casing 5 by the plug 4 and by the perforations 11 and 12. The advantage of this construction is that there is an added

surface for display advertising. Circular forms 17 may be painted on the outer surface of the transparent casing 5 for advertising purposes and the balls 16 cooperate with these forms.

What I claim, is,—

1. In a gasoline serving apparatus provided with a service pipe; a casing of transparent material inclosing a portion of said pipe, a plug located in said pipe within said casing and closing said pipe, said pipe having outlet openings above said plug and inlet openings below said plug within said casing for directing gasoline through said casing, baffle plates rigid with said pipe and located between said outlet openings and said inlet openings, said plates provided with arms curved upwardly and outwardly and having the edges thereof curved for causing a swirling motion of the gasoline, and floating balls cooperating with said plates.

2. In a gasoline serving apparatus provided with a service pipe; means for exposing to view the gasoline being served through said pipe comprising a transparent casing surrounding said pipe and being held thereabout by metallic head and base members rigidly supported on said pipe, and a plug located in said pipe within said casing for closing said pipe, said pipe having outlet openings above said plug and inlet openings below said plug and within said casing.

3. In a gasoline serving apparatus provided with a service pipe; means for exposing to view gasoline being served through said pipe comprising a transparent casing surrounding said pipe and rigidly supported thereon, a plug located in said pipe within said casing and closing said pipe, said pipe having outlet openings above said plug and inlet openings below said plug, and means in said casing for causing a whirling motion to the passing gasoline.

4. In a gasoline serving apparatus provided with a service pipe; means for exposing for inspection gasoline passing through said pipe comprising a transparent casing surrounding said pipe and rigid therewith, a plug located in said pipe and closing the same within said casing, said pipe having outlet openings above said plug and inlet openings below said plug, baffles mounted on said pipe within said casing and provided with radiating arms projecting slightly upwardly and having the edges of said arms curved on one side thereof, and balls cooperating with said baffles.

In testimony whereof, I set my hand, this 15th day of June, 1931.

BUEL D. GRIFFIN.