July 16, 1935. J. C. STEARNS 2,008,316

GUARD FOR FUEL BOTTLES

Filed Dec. 19, 1932

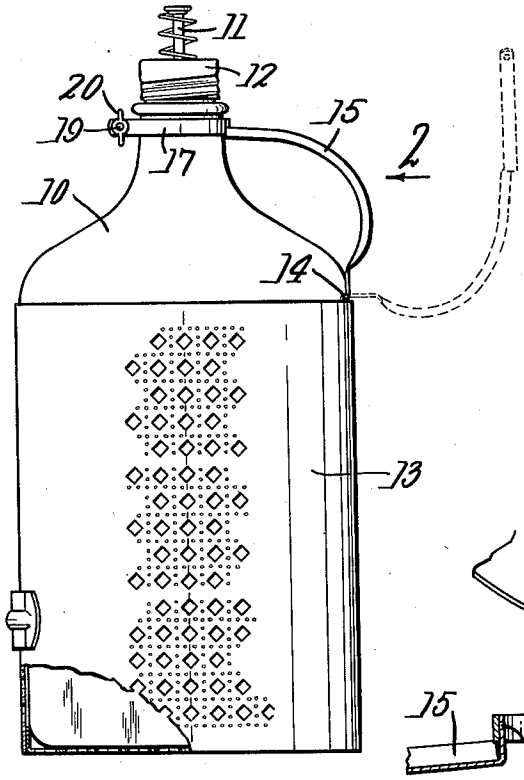


Fig. 1.

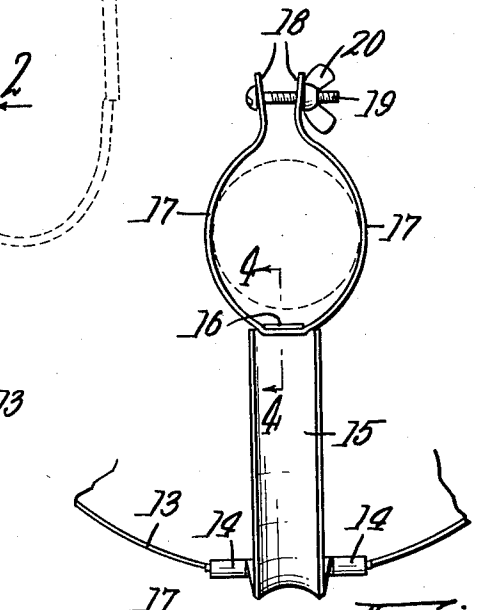


Fig. 3.

Fig. 4.

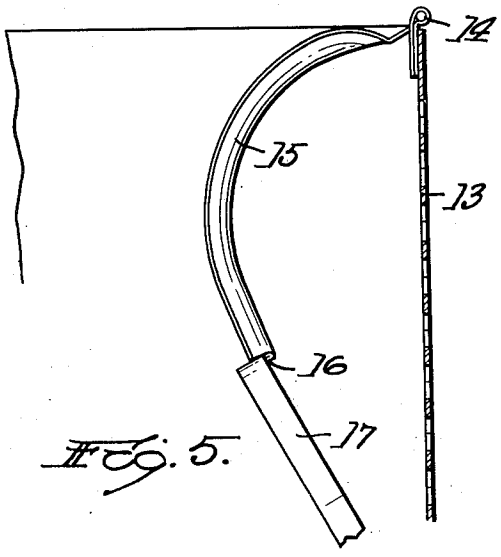


Fig. 5.

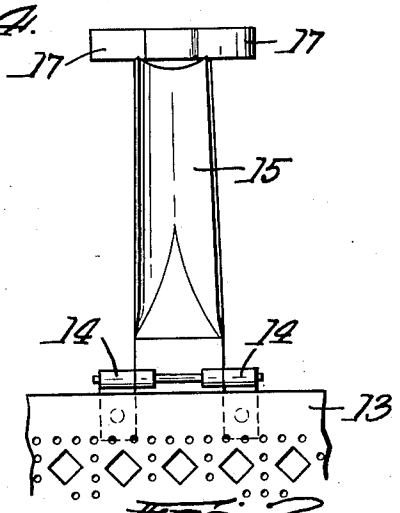


Fig. 2.

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GUARD FOR FUEL BOTTLES

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Application December 19, 1932, Serial No. 647,942

1 Claim. (Cl. 215—100)

This invention relates to a guard or holder for a glass bottle employed for holding liquid fuel and adapted to be used as a tank to feed the fuel automatically into a burner.

The principal objects of the invention are to provide a metallic guard and handle connected with each other in such a way that the handle locks the guard to the bottle without the employment of any button on the guard so that the bottle and guard are fixed together, even if the guard had no bottom; to provide a construction in which the handle is pivotally connected to the guard so that it can be swung out of the way for the removal of the bottle and swung into the guard to simplify shipping problems.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawing, in which

Fig. 1 is a side elevation showing a preferred embodiment of the invention with the bottle held therein, the parts being right side up;

Fig. 2 is an elevation of the handle part in the same position shown looking in the direction of the arrow 2 in Fig. 1;

Fig. 3 is a plan of the same;

Fig. 4 is a sectional view on the line 4—4 of Fig. 3, and

Fig. 5 is a radial sectional view on enlarged scale of the basket, showing the handle turned down into it for shipping.

The invention is an improvement over the usual perforated metal basket which is used on oil bottles for burners. The glass bottle 10 for supplying oil to the burner is placed in a metal guard ordinarily and inverted into a holder so that the valve stem 11 supported by the cap 12 of the bottle will be raised by engaging the bottom of the holder, thus opening the valve, not shown, and feeding the oil.

In Fig. 1 the bottle is shown in the position in which it has just been filled with oil and is ready to be turned to inverted position as stated. The guard 13 is of sheet metal, preferably perforated for lightness and to permit observance of the level of oil in the bottle. This guard is provided at the top with a hinge 14 of any desired character at which the handle 15 is pivoted.

The handle consists of a piece of sheet metal bent to a concave shape, preferably, for convenience in handling and additional strength. At the end it is provided with an upturned flange 16 in vertical position. To this flange is welded a collar 17 which is made of a single piece of metal having some resiliency. This collar passes forward from the handle and at the end is provided with two projections 18 which are perforated for a screw 19 and thumb nut 20. This makes a rigid piece of the handle with the collar attached rigidly thereto. The collar, of course, is fastened up by the thumb nut after being applied and it locks the guard to the bottle, so that the guard can be made without a bottom if desired, without the requirement of any button or attaching part on the bottle.

The handle can be turned back on its hinge to allow the bottle to be taken out. In the shipment of the guards the handles are simply swung down into the guards as shown in Fig. 5 and therefore these handles take up no room.

Although I have illustrated and described only one form of the invention, I am aware of the fact that modifications can be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claim. Therefore I do not wish to be limited in this respect, otherwise than as set forth in the claim, but what I claim is:—

The combination of a cylindrical glass bottle having a neck for holding liquid fuel and a perforated cylindrical sheet metal guard open at the top for protecting the cylindrical part of the bottle, said guard being as long as the cylindrical part of the bottle, inside which guard the bottle is located and from which the neck of the bottle projects through the open top end of the guard, of a handle pivoted to the open top edge of the guard near the bottom of the neck of the bottle, said handle being of a length less than the diameter of the guard and projecting half way across the guard, and capable of being swung down within the guard when the guard is empty, a collar rigidly connected to the handle, said collar being provided with separated ends for grasping the neck of the bottle and locking the bottle in the guard, and means for connecting said ends to lock them around the neck of the bottle.

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