United States Patent

[11] 3,563,269

[72] Inventor **James E. Sarsfield**
Rte. 1, Box 138, Goldendale, Wash. 98620

[21] Appl. No. **790,997**
[22] Filed **Jan. 14, 1969**
[45] Patented **Feb. 16, 1971**

[54] **LOCK FOR GASOLINE PUMP**
3 Claims, 3 Drawing Figs.

[52] **U.S. Cl.** **137/590,** 285/208, 285/210
[51] **Int. Cl.** **F16l 5/00**
[50] **Field of Search** 285/208, 210; 220/25; 137/590

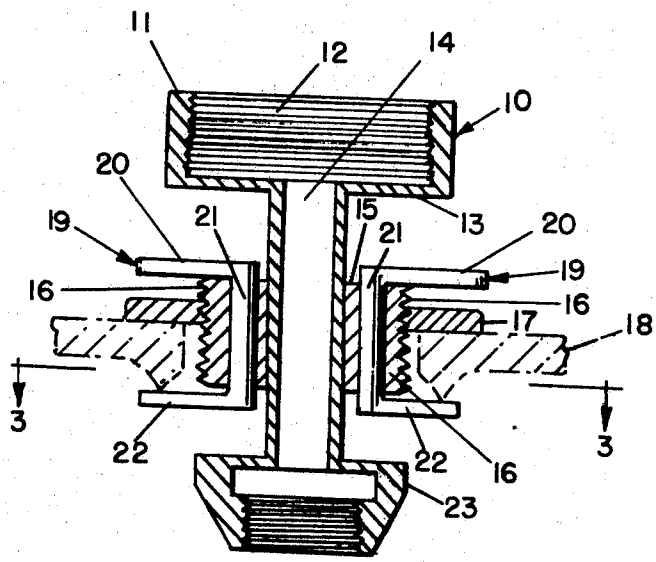
[56] **References Cited**

UNITED STATES PATENTS

620,484	2/1899	Mueller	285/210
1,200,311	10/1916	Cash et al.	220/25
2,263,843	11/1941	Gross	220/25
2,421,015	5/1947	Davidson	220/25UX
2,569,914	10/1951	Appleton	220/25
2,638,028	5/1953	Francis	220/25X
3,322,442	5/1967	Flachbarth	285/208

Primary Examiner—M. Cary Nelson
Assistant Examiner—Michael O. Sturm

ABSTRACT: This invention consists of an internally threaded vertically disposed hollow receptacle adapted to receive the lower end of a portable gasoline pump that may be of the manually operated type. The aforesaid receptacle has its lower end provided with a hollow rectangular member having an externally threaded shoulder located in the vertical center thereof. The just mentioned shoulder is provided with a nut that rests on top of the gasoline drum to which the pump is secured by means of this novel invention. Two diametrically opposed U-shaped members, which I personally call dogs, each has its vertical portion passing through the aforesaid shoulder. The upper end of each dog is in the form of a handle by which the dog can be rotated to lock the device in place on the gasoline drum since the lower end of each dog terminates in a horizontally disposed member adapted to fit under the inside of the drum when the dog is turned to a locked position, thus locking the gasoline pump to the drum.



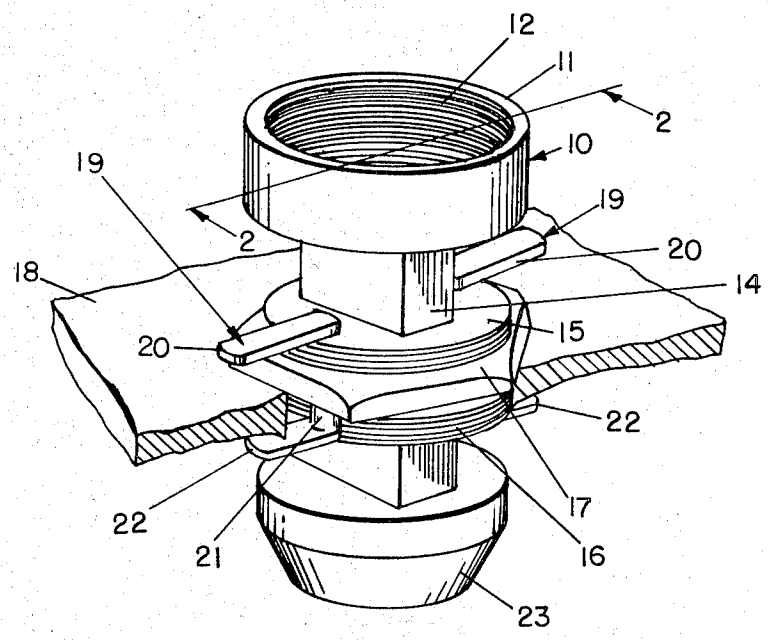


FIG. 1

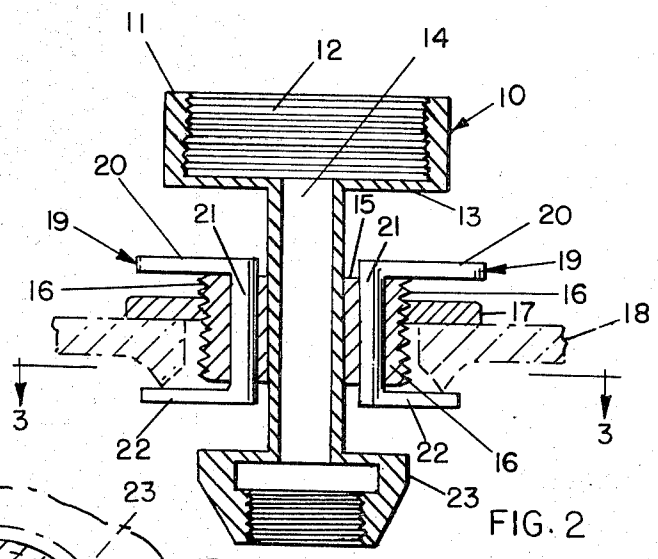


FIG. 2

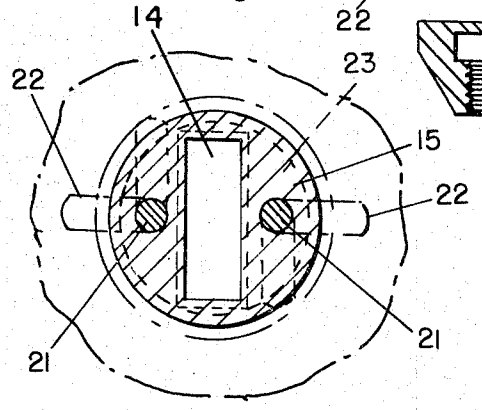


FIG. 3

INVENTOR
JAMES E. SARSFIELD

LOCK FOR GASOLINE PUMP

This invention relates to locks; more particularly, to locks adapted to lock a gasoline pump to a gasoline drum or the like.

It is the principal object of this invention to provide a lock for gasoline pumps that will firmly lock the pump to nearly any gasoline drum in a minimum of time and with a minimum of effort without the use of specific tools.

Another object of this invention is to provide a lock for gasoline pumps that will make it possible for one to change pumps on the drum without having to turn the pump to remove the device from the drum.

Still another object of this invention is to provide a lock for gasoline pumps that may also be use for pumping liquids other than gasoline from drums or the like having a wall or head of any thickness, as will hereinafter be described.

Other and further objects and advantages of this invention will no doubt appear as the reading of this specification and its appended claims proceeds in connection with an examination of the accompanying drawing in which:

FIG. 1 is a pictorial view of this invention secured to a drum of which only a fragment is shown.

FIG 2 is a sectional view of this invention, taken substantially along line 2–2 of FIG. 1, and viewed in the direction indicated by the arrows.

FIG. 3 is a sectional view of this invention, taken substantially along line 3–3 of FIG. 2, and viewed in the direction indicated by the arrows.

In the several views of this invention, like parts of the device are indicated by like reference numbers.

The reference number **10** indicates this invention in its entirety.

Directing ones attention first at FIG. 2 of the accompanying drawing it will be seen that this lock for a gasoline pump consists of a hollow member **11** having internal threads **12** adapted to receive the external threads of the lower portion of a gasoline pump. The pump is not shown in any of the views of the drawing since it is not an actual part of this invention. The bottom **13**, of the aforesaid hollow member **11**, is provided with a vertically disposed hollow rectangular member **14** which is provided with a shoulder **15** having external threads **16** which screw into the nut **17** that is located on top of the gasoline drum **18**.

Continuing to look at FIG. 2 of the drawing it will be seen that the aforesaid shoulder **15** is provided with two diametrically opposed U-shaped dogs **19**. Each dog has a handle **20** on the upper end of a vertically disposed member **21** which passes through an opening in the aforesaid shoulder **15** to terminate in a horizontally disposed member **22** that is of a length sufficient to extend in under the underside of the wall of the aforesaid drum **18** when the dog **19** is rotated in the locked position shown in FIG. 2. The lower end of the aforesaid hollow rectangular member **14** is provided with a suitable internally threaded hollow fitting **23** in which is screwed a pipe (not shown in the drawing) that extends downward into the drum for the reception of the gasoline or other liquid that is to be pumped from the drum.

Although not previously mentioned, it is obvious from examination of the accompanying drawing, and particularly of FIGS. 1 and 2, that this device fits in part into an opening in the drum that is known in the art as the bunghole which must naturally be large enough to permit the insertion of the aforesaid shoulder **15** portion of this invention into the bunghole.

The phantom lines in FIG. 3 of the accompanying drawing clearly illustrate the rotated position of each of the two aforesaid horizontally disposed members **22** of the U-shaped dogs **19** in order that the device can be removed from the gasoline drum **18**.

It will be realized on examination of FIG. 2 of the accompanying drawing that this invention will fit on any drum regardless of the thickness of the wall or end of the drum since the aforesaid nut **17** can be screwed up or down on the external threads **16** of the shoulder **15** of this invention. Obviously, the rotating of the just mentioned nut **17** will raise or lower the entire lock and the pump secured thereto, thereby placing pressure on the underside of the aforesaid U-shaped dogs **19**. The pressure on the dogs **19** will naturally be transmitted to the upper surface of the aforesaid horizontally disposed members **22** of the dogs. The members **22** press up under the wall of the aforesaid drum **18**, as will be understood by anyone experienced in the art if they examine the aforesaid FIG. 2 of the drawing, thereby firmly holding the lock and pump in the desired position on the aforesaid drum **18**.

It is to be understood that this invention is subject to any and all changes in detail design and/or modifications that one may care to make in the same in so long as the changes and/or modifications fall within the scope and intent of the appended claims.

I claim:

1. A device for locking a gasoline pump to a gasoline drum comprising:

a wall having an opening therein;

a tubular member extending through said opening;

a support member surrounding and sealingly engaging a portion of said tubular member within said opening; and

locking means for releasably attaching said support member to said wall including at least one U-shaped dog having a center portion thereof pivotally attached to said support member; an end portion of said dog engaging a surface of said wall in one pivotal position thereof and being free to pass through said opening in another pivotal position thereof; and a nut member threaded to said support member adjacent an opposite surface of said wall for adjusting said locking means to the thickness of said wall.

2. The invention of claim **1**, wherein the center portion of each of said U-shaped dogs extends downward through an opening through the support member, the upper end of each of said U-shaped dogs terminating in a handle.

3. The invention of claim **2**, wherein the tubular member is a vertically disposed hollow rectangular member, the lower end thereof being provided with an internally threaded fitting in which is screwed a pipe through which the contents of the said gasoline drum is pumped as the said pipe extends downward nearly to the bottom of the said gasoline drum.