Jan. 15, 1929. 1,699,097

J. B. CRAVEY ET AL

DISPENSING DEVICE WITH SAFETY LOCK

Filed April 16, 1927

Fig. 1.

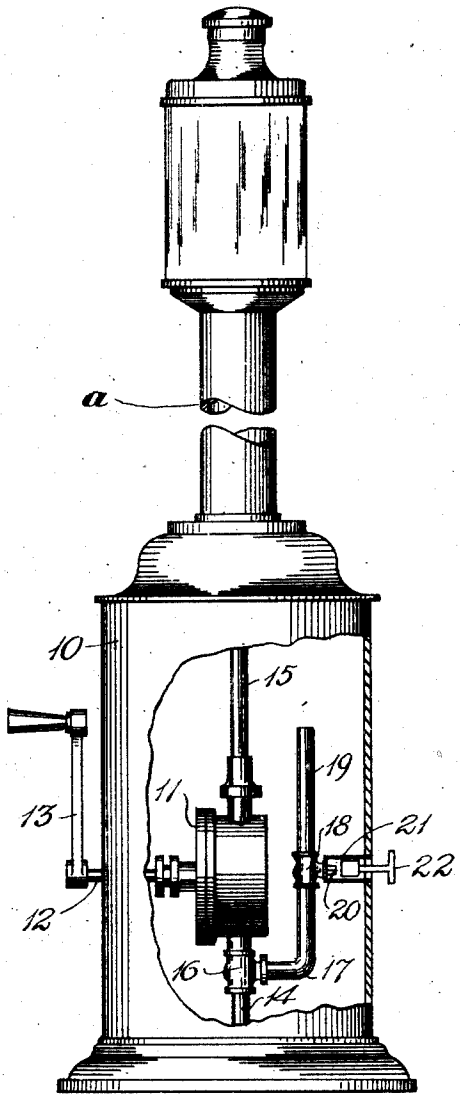
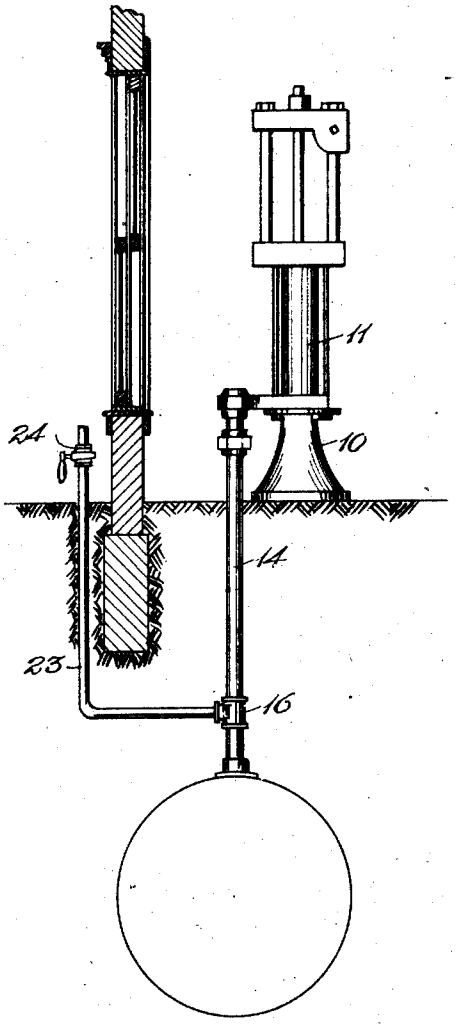


Fig. 2.



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Patented Jan. 15, 1929. 1,699,097

UNITED STATES PATENT OFFICE.

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DISPENSING DEVICE WITH SAFETY LOCK.

Application filed April 16, 1927. Serial No. 184,389.

This invention relates to pumps such as are used for the handling of gasoline, lubricating oils and other petroleum products or in fact any liquids which are usually dispensed by measuring pumps. More particularly the invention relates to a theft preventing device for measuring pumps.

The principal objects of the present invention are to provide an ordinary gasoline or oil pump such as is used in dispensing gasoline at the supply stations common on roads and streets, with means whereby unauthorized operation of the pump will not furnish the gasoline or oil to the person endeavoring to steal the same.

A second important object of the invention is to provide an improved arrangement of dispensing pump wherein the suction of the pump may, if desired, be opened to the air so that operation of the pump while the suction is thus open will not result in the pumping of the liquid to be dispensed. This is necessary because it is quite common for thieves to break the locks off the handles of the pumps which are closed for the night and pump the gasoline from the underground tank to the loss of the operator of the station.

A third object of the invention is to provide a device of this character in which the control of the air admission will be so disposed as to be invisible to the unlawful operator.

A fourth object of the invention is to provide a novel device of this character wherein the suction to the pump may be vented from the interior of the adjacent building.

With the above and other objects in view as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:

Figure 1 is a front elevation of the device with a portion of the casing broken away to show the interior mechanism.

Figure 2 is a similar view showing the device applied to a pump with the venting control remotely situated, as in a building.

In the embodiment disclosed in Figure 1 it will be seen that there is shown a dispensing device of ordinary construction indicated in general at 10 and having within the lower part of its casing a rotary pump 11 provided with an operating shaft 12 which extends through the casing and carries on the exterior a crank 13 for the operation of the pump. This pump is provided with the usual suction pipe 14 and delivery pipe 15. In the form shown in Figure 2 the construction is similar.

In Figure 1 there is provided just below the pump 11 a T fitting 16 from which extends a branch pipe 17 connected to an ordinary rotary valve 18 and from this valve there may lead upwardly in the casing of the pump an air pipe 19 open at its upper end also the valve 18 is provided with a stem 20 and extending from the valve to the casing of the pump is a tube 21 into the inner end of which projects the stem 20 so that a valve key 22 of the socket wrench type can be inserted through the tube 21 and fitted on the stem 20 to open and close the valve 18.

In this form, when the operator closes the pump and expects to be absent from the station he takes his key, which he keeps within his office or building, inserts the same through the tube 21 and opens the valve 18. With the valve 18 open naturally operation of the pump will simply suck air through the tube 19 and will not lift gasoline through the pipe 14.

In the form shown in Figure 2 a branch pipe 23 leads off from the suction pipe 14 to a suitable point in the interior of a building or office and within such building or office is provided with an ordinary valve 24 so that the branch 23 may be opened to the atmosphere or closed as desired.

In this form when the operator wishes to shut down the pump for any length of time, as during his absence or at night, he simply opens the valve 24. Under these circumstances operation of the pump will not pump gasoline.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction of the invention without departing from the mate-

rial spirit thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is desired to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is:

1. In a device for dispensing liquids including a casing and a pump in said casing provided with a suction pipe and a delivery pipe, a branch pipe connected to the suction pipe and open at one end to the air within said casing, a valve in said branch pipe controlling the flow of air therethrough and having an operating stem, and a guide tube extending from said stem and opening through said casing, said casing having an opening therein aligned with said stem for insertion of an operating key for said valve.

2. In a device for dispensing liquids including a casing and a pump in said casing provided with a suction pipe and a delivery pipe, a branch pipe connected to the suction pipe and open at one end to the air within said casing, a valve in said branch pipe controlling the flow of air therethrough and having an operating stem, said casing having an opening therein aligned with said stem for insertion of an operating key for said valve.

In testimony whereof we affix our signatures.

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