

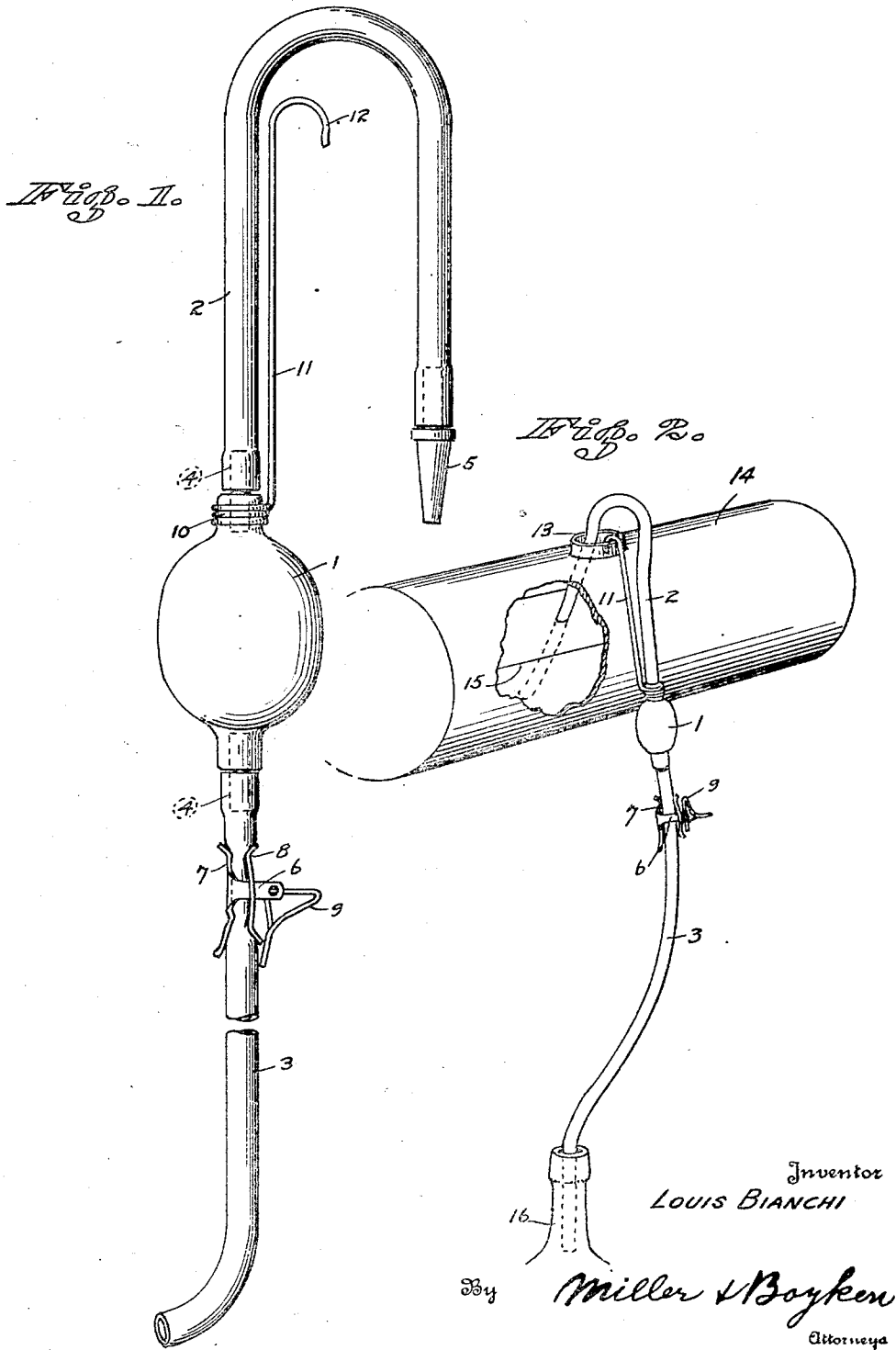
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SIPHON

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UNITED STATES PATENT OFFICE.

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SIPHON.

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To all whom it may concern:

Be it known that I, LOUIS BIANCHI, a citizen of the United States, and a resident of Redding, county of Shasta, and State of California, have invented new and useful Improvements in a Siphon, of which the following is a specification.

This invention relates to the siphoning of wines from barrels in bottling the same, as well as to the siphoning of gasoline or other liquid from containers, and the objects of the invention are to provide simple siphon apparatus which is easily operated and which will effectively start the siphoning operation without applying the tube to the mouth for exhausting the air therefrom, also such apparatus which will provide for the priming of automobile engine plugs with gasoline taken from the gasoline tank. and withal an article cheap to produce and proof against getting out of order.

My improved siphon embracing the above mentioned advantages is shown in the drawings hereto and in which:—

Figure 1 is a side view of my complete device and Figure 2 is a reduced perspective view showing the device in place ready to siphon gasoline from an automobile gasoline tank, and with a portion of the tank broken away to show the contents.

As shown in the figures my improved siphon consists in its preferred form of a rubber bulb 1 having a rubber tube 2 extending from the upper end and a rubber tube 3 from the lower end.

These tubes are preferably secured to the bulb by means of hollow metal or hard rubber sleeves 4 cemented in place.

The upper tube is provided with a reducing nozzle 5 preferably pushed tightly into the tube, and the lower tube is equipped with a valve of some sort—here shown as a rubber tube clamping device 6 having jaws 7, 8 adapted to flatten the tube or release the same upon operating the finger lever 9 in the well known manner.

Secured to the rubber bulb in some manner as at 10 is a wire arm 11 extending upward and having a hooked upper end 12 for the purpose of suspending the bulb 1 alongside of a barrel or tank being siphoned off in the manner shown in Figure 2, the wire arm being hooked over the edge 13 of the filling opening of the tank 14 and the

tube 2 also passing over the edge and down inside the tank into the gasoline 15, while the other tube 3 extends into a bottle 16 or other receptacle which it is desired to fill with the liquid.

In operation, with the device in the position shown in Figure 2 the bulb is squeezed to flatten it and force out all of the air, the clamp 6 is closed to prevent return of air, the bulb is released thereby sucking the liquid from the tank to substantially fill the bulb and upon again releasing the clamp 6 the siphon will start and continue running until the clamp 6 is closed.

In Figure 2 the reducing nozzle is not shown in place as the siphon works faster when it is removed, but for priming plugs with gasoline it is used as it provides a better control when ejecting a small quantity of the liquid, it being understood that for such use the tube 2 is withdrawn from the tank after filling the bulb as mentioned, and the gasoline may be forced out of the nozzle either by squeezing the bulb 1 or by elevating it and opening the clamp 6 to admit air thereto from the tube 3, or if desired an additional clamp as at 6 may be placed on tube 2 for additional control.

In considering the invention as described it will be seen to provide an extremely simple siphon useful for starting fluids such as gasoline, acids, etc., dangerous to start by sucking on the siphon tube and more sanitary in the case of siphoning beverages when bottling the same.

Attention is drawn to the fact that while I show and prefer a rubber tube at both ends of the bulb, it is manifest that a tube or pipe of other material will also be serviceable in some instances.

I claim:

1. A siphon comprising a soft rubber bulb with a tube extending from opposite ends thereof and provided with means for suspending the bulb directly from a container when siphoning therefrom and whereby the siphoning tube above the bulb is relieved from the weight of the bulb.

2. A siphon comprising a soft rubber bulb with a tube extending from opposite ends thereof and provided with a hook for hooking over the edge of a container, said hook extending from said bulb.

LOUIS BIANCHI.