C. A. HABENICHT.

FAUCET.

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1,067,108. Patented July 8, 1913.

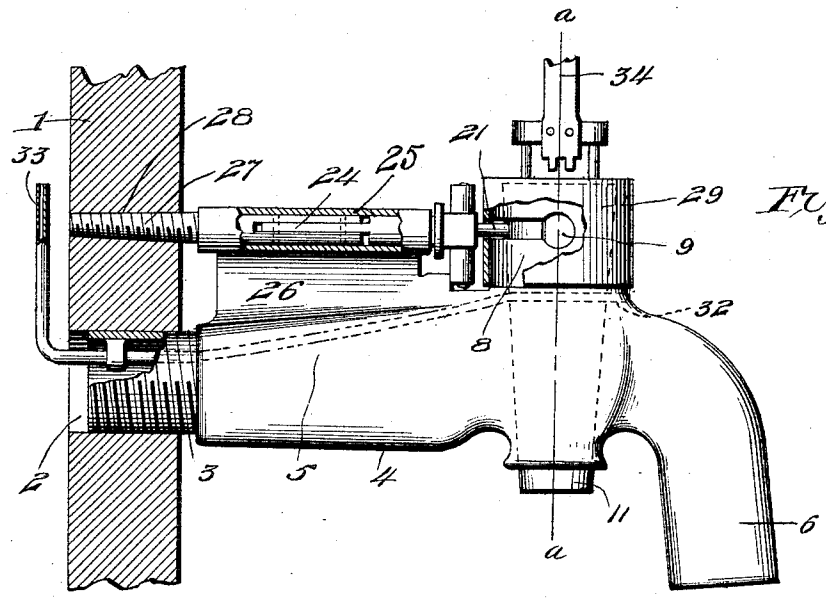


Fig. 1.

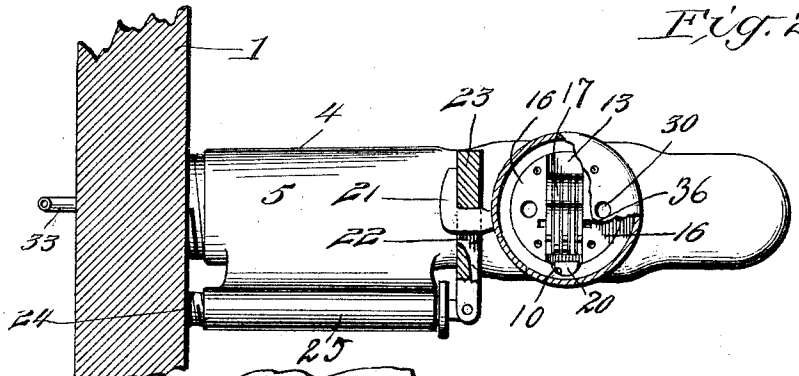


Fig. 2.

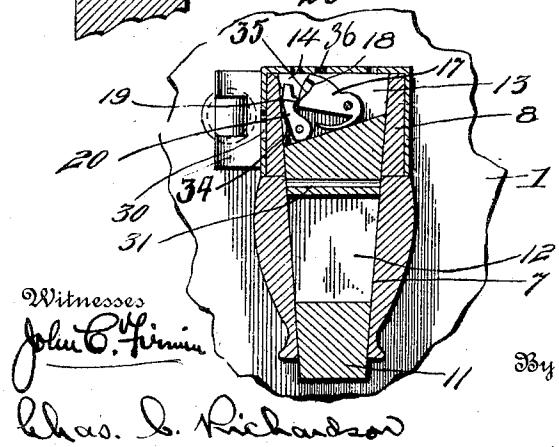


Fig. 3.

Witnesses

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FAUCET.

1,067,108. Specification of Letters Patent. Patented July 8, 1913.

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To all whom it may concern:

Be it known that I, CHARLES A. HABENICHT, a citizen of the United States, residing at Laurel, in the county of Yellowstone and State of Montana, have invented certain new and useful Improvements in Faucets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in faucets, and more particularly to that class known as safety or lock faucets.

The object of this invention is the provision of a device of this character in which the valve which controls the passage of the liquid therethrough can be so locked as to prevent the contents of the barrel or the like to which the faucet is applied from being tampered with by any unauthorized person.

Another object of this invention is the provision of a device of this character, which when once applied to a barrel or the like, can be so locked as to prevent its displacement.

A further object of this invention is to improve and simplify devices of this character, rendering them comparatively simple and inexpensive to manufacture, reliable and efficient in use, and readily operated.

With the above and other objects in view, this invention resides in the novel features of construction, formations, combinations and arrangements of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which—

Figure 1, is a fragmentary side elevation of my improved faucet applied; Fig. 2, is a fragmentary plan view thereof, and Fig. 3, is a section taken on the line *a—a* of Fig. 1.

Referring to the drawing by characters of reference, the numeral 1 designates generally a portion of a receptacle, provided with the usual bung engaging aperture 2, in which is located the threaded extension 3 of my improved faucet 4, which comprises a rearwardly tapered body 5, having formed upon its forward end a downwardly extending discharge nozzle 6, and at a point at the juncture of the body 5, and this before mentioned nozzle 6, a downwardly tapered internally located valve seat 7, the upper end of which is extended as indicated by 8, a distance above the said body portion 5, and is provided with a horizontally disposed arcual slot 9, and has formed within its inner face a vertically running groove 10, extending from the enlargement of the slot 9, to the upper edge of the extension.

The valve 11, which is located in the before mentioned seat 7, is provided with the customary transverse opening 12, which controls the passage of the liquid therethrough while the upper end of this valve is bifurcated as at 13, to form a pair of ears 16, between which are pivoted a series of upwardly spring pressed tumblers 17, the terminals of which are grooved as at 18, in staggered relation to each other, for engagement with a rib 19, formed on an outwardly operated locking pawl 20, which is adapted to engage the before mentioned groove 10, and lock the valve in a position which will prevent the flow of the liquid through the opening 12 formed therein. The valve 11 has removably secured in one side thereof at right angles to the opening 12 an outwardly projecting L-shaped arm 21, which extends through the slot 9 in the extension 8 of the valve seat 7, and is adapted to engage in a slot 22, formed in a hinged bar 23, secured to the outer end of an extensible pin 24, which is slidably located in a sleeve 25, carried by a web 26, formed upon the top of the body portion 5 of the faucet. The inner end of this extensible pin is threaded as indicated at 27, for engagement with a threaded aperture 28, located in a cask or barrel 1, at a point slightly above the bung engaging aperture 2. As the locking pawl 20 is spring pressed, it rests in contact with the tumblers 17 when the faucet is in locked position. When the tumblers are depressed, the lug 19 engages in the grooves 18, the pawl springing inwardly under the impulse of the spring 34 and unlocking the valve. When the device is to be locked, the valve is rotated to its locked position, the key is withdrawn and the tumblers 17 moved upwardly, the lug 19 sliding along the inclines 25 and the L-shaped member returning to its locking position. It will be readily seen that before the L-shaped arm 21 is turned to engage in the slot 22, the said member 23 may be swung loosely upon its hinged connection with the extensible pin 24, and rotated for the purpose of screwing the threaded end 27 of the pin

into the aperture 28. A cap 29 is mounted on the extension 8 of the valve seat 7 which is adapted to conceal the described locking mechanism. This cap is provided with openings 30 adapted to register with openings formed in the ears 16 and also with a slot 36 through which a suitable key 34 may be inserted to engage the tumblers 17.

The lower edge of the key is so constructed, that when the same is pushed downwardly to its fullest extent, the irregular lower edge thereof will force the grooves 18 into alinement and also into engagement with the rib 19, which will allow the inward movement of the pawl 20 out of engagement with the groove 10, and permit the plug to turn by means of the key in a direction to free the L-shaped arm 21 from the slot 22, and also turn the opening 12 in the valve into alinement with the opening formed in the body 5 and the discharge nozzle 6, to permit the passage of the liquid therethrough. This movement will also turn an opening 31, located in the valve 11, slightly above the opening 12, into alinement with an opening 32 formed at the juncture of the extension 8 and the nozzle 6, and also into engagement with a hollow tube 33, which extends through the body 5 into the cask, which tube provides an inlet for air into the barrel between the liquid and the upper end thereof.

From the foregoing, it will be manifest that a faucet of the character described is provided for which will fulfil all the necessary requirements of such a device.

Having thus fully described this invention, what I claim as new and desire to secure by Letters Patent is:

1. A faucet comprising a body portion, a valve seat located therein, a valve mounted in the valve seat, means carried by the valve to lock the same in its closed position, means carried by the body of the faucet for engaging the cask or the like to which the faucet is applied, an arm carried by the valve and adapted to engage this last mentioned means for the purpose of preventing its disengagement from the cask, substantially as set forth.

2. A faucet comprising a body portion having a valve seat formed therein, an extension formed upon the upper end of the valve seat, a valve located within the valve seat, a sleeve formed upon the body portion, a pin slidably located therein and adapted to engage the cask to which the faucet is applied, an arm carried by the valve, and means upon the pin for interlocking engagement with the arm when the valve is in closed position, substantially as set forth.

3. A faucet consisting of a body portion having a vertically disposed valve seat located therein, a slotted extension formed upon one end of the valve seat having a groove formed therein, a valve located within said valve seat, a locking pawl pivoted within said valve and adapted to engage the groove formed within said extension, means for holding said pawl into engagement with the groove, and said means adapted to release the same, an arm carried by said body portion and means adapted to engage said arm and extending through the slotted extension for the purpose of preventing the displacement of the faucet.

4. A faucet comprising a body portion, a valve seat formed internally thereof, a slotted extension carried by said valve seat having a groove formed vertically therein, a valve located within said valve seat and slotted extension, the upper end of said valve being bifurcated and containing a locking pawl, a series of tumblers adapted to operate the locking pawl for the purpose of holding said pawl into engagement with said groove, said tumblers being adapted to be operated so as to release said pawl from its engagement with said groove, an arm carried by said valve and adapted to move radially through said slotted extension, a sleeve carried by the body of said faucet, an extensible pin slidable within said sleeve and adapted to engage an aperture located within the cask, to which the faucet is applied, an arm hinged to the outer end of said pin, the said arm being provided with a slit adapted to engage the end of the arm carried by the valve; for the purpose of preventing the displacement of the pin from the aperture located in the cask when the valve is locked, substantially as and for the purpose hereinbefore described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES A. HABENICHT.

Witnesses:
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GEO. W. FENTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."