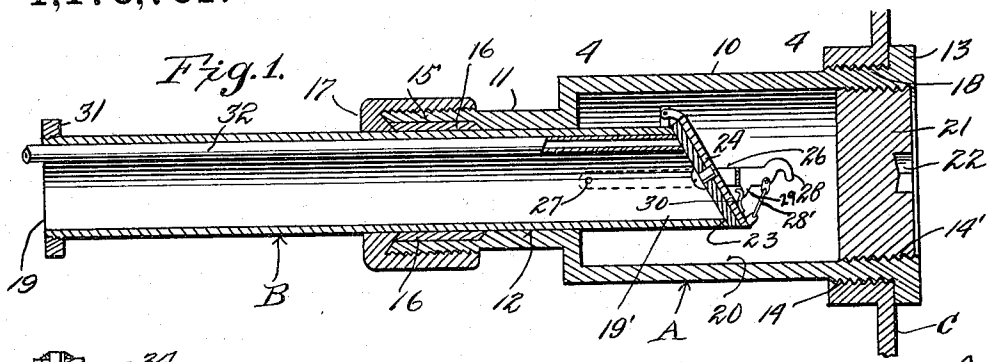
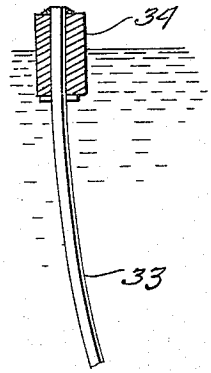
J. F. W. KUHR.

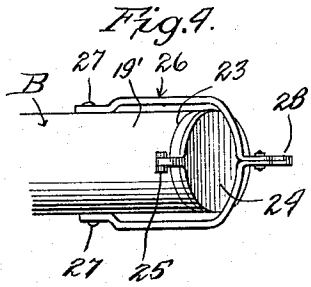
PLUG FAUCET.

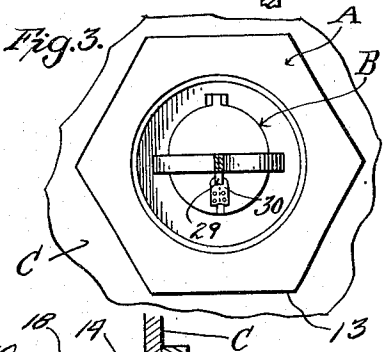
APPLICATION FILED NOV. 2, 1914.

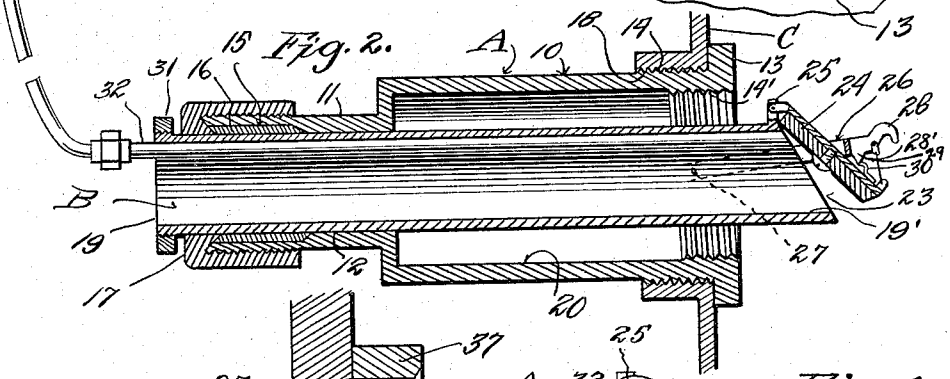
1,176,761. Patented Mar. 28, 1916.

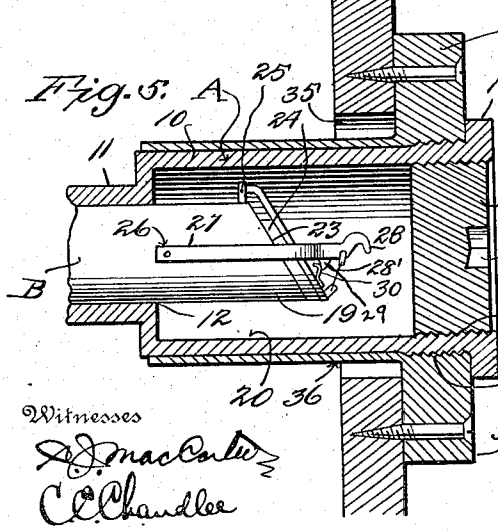


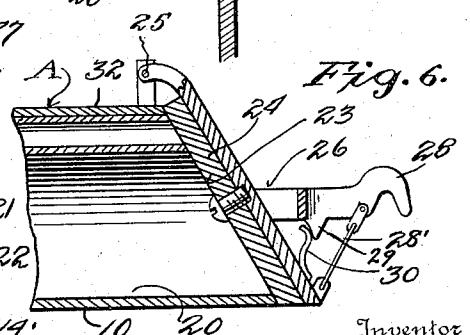












Inventor

J. F. W. Kuhr

Witnesses

J. MacCarthy

C. C. Chandlee

By Chandlee & Chandlee

Attorneys

UNITED STATES PATENT OFFICE.

JOHN F. W. KUHR, OF NEENAH, WISCONSIN.

PLUG-FAUCET.

1,176,761. Specification of Letters Patent. Patented Mar. 28, 1916.

Application filed November 2, 1914. Serial No. 869,877.

To all whom it may concern:

Be it known that I, JOHN F. W. KUHR, a citizen of the United States, residing at Neenah, in the county of Winnebago, State of Wisconsin, have invented certain new and useful Improvements in Plug-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 improvements in faucets and more particularly to a faucet adapted for use in connection with barrels, casks or other similar containers for liquid.

An object of the invention resides in the provision of a faucet of the above character that may be applied permanently to the container, be the latter constructed either of metal or of wood, and which when not in use is positioned within the walls of such container and thus fully protected against injury during transportation.

A further object of the invention is to provide such an appliance as may be readily moved into or out of position to dispense the liquid, and one in which the valve or closure therefor embodies novel means whereby the same may be conveniently opened or closed.

A still further object is to provide a simple and efficient means for securely retaining the valve in its normal or closed position, said means being automatically released upon operation of said valve controlling means for the purpose of dispensing the liquid.

With the above and other objects of similar nature in view, the invention consists in the construction, combination and arrangement of parts set forth in and falling within the scope of the appended claim.

In the drawing: Figure 1 is a fragmentary sectional view through a metal container showing the invention in position for transportation. Fig. 2 is a similar view with the parts in position to dispense the liquid. Fig. 3 is an end view thereof. Fig. 4 is a top plan view of the valve and its actuating means. Fig. 5 is a fragmentary sectional view showing the manner in which the device may be mounted in a cask or other wood container, and Fig. 6 is a detail sectional view of the valve and its operating means.

Reference will now be had to the accompanying drawings in which the invention is shown as comprising a cylindrical shell A including a main or body portion 10 and a reduced portion 11, the latter being of a diameter less than that of the former and having slidably engaged in the bore 12 thereof a tubular faucet B. The body portion 10 of the shell A is provided at its outer end with a wrench engaging portion 13, and adjacent said flange is both externally and internally threaded as indicated at 14, 14'. The other or reduced end of the shell is likewise externally threaded and is provided in its bore with a packing space 15, suitable packing 16 being arranged therein and a gland 17 engaged on this threaded portion whereby a tight joint for the faucet will be provided.

In Fig. 1 of the drawing there is shown the manner of positioning the shell A in a metal container C of ordinary type, the threads 14 of the body 10 being engaged in the usual threaded opening 18 found in such containers with the portion 13 bearing against the wall of the latter. It will further be noted in this figure that the inlet end 19 of the faucet B is disposed within the container and that the discharge end 19' thereof is housed within the bore 20 of the shell, this being the position assumed by the faucet when same is not in use. With the parts in this position, when it is desired to ship the container, a plug 21 is engaged with the threads 14 of the body 10 whereby to close the entrance thereto and protect the faucet B against injury or displacement. To permit of removing the plug there is provided in its outer face a squared socket 22, in which is adapted for insertion a suitable wrench or other tool whereby the plug may be readily unscrewed.

Referring now to the faucet B, it will be noted that its discharge end 19' is beveled as at 23 and that covering the opening thereof is a gate valve 24, said valve being hingedly secured as at 25 to the face of the tube so that it may be readily moved either toward or away from its seat as occasion demands. For the purpose of actuating the valve 24 there is provided a yoke 26 the legs of which straddle the tube B and are pivotally connected thereto as at 27, said legs converging at a point forwardly of the valve and terminating in a hand grip 28. Connecting the yoke 26 and valve 24 is a link 28' or other flexible means one end of

which is secured to the yoke adjacent the handle 28 and its other end secured to the outer face of the valve. Thus when lifting on the handle 28 it is obvious that the valve 24 will be swung upwardly on its hinge to uncover the discharge end of the faucet. To retain the valve seated there is formed on the yoke 26 adjacent the handle a V-shaped projection or lug 29 and mounted on the outer face of the valve is a spring 30, the latter normally lying behind said lug and snapping past the same upon operation of the handle for the purpose of lifting the valve. It is of course understood that the action of the spring 30 is reversed upon closing of the valve, it again snapping past the lug 29 upon downward movement of the handle. The valve 24 because of its eccentric mounting with respect to the yoke 26, will thus be securely locked to its seat, it being necessary when operating the handle 28 to lift said valve, to exert sufficient pressure to overcome the spring 30 and carry same over the lug 29.

When it is desired to employ the device for the purpose of dispensing the liquid in the container, the faucet B is moved to the position shown in Fig. 2 by means of the handle 28, a stop nut 31 being engaged on the inner end of the tube to limit outward movement thereof with respect to the shell A. The handle is then swung upwardly to operate the valve in the manner as above described and, when the desired amount of liquid has been dispensed, again swung downwardly to close said valve.

There is further provided in the tube B a vent pipe 32 its outer end being likewise closed or opened by the valve 24 and its inner end engaged with a flexible tube 33, this tube being disposed within the container and carrying a float 34 at its upper end whereby the latter will be retained above the surface of the liquid. This vent operates in the manner of the usual vents employed on vessels of a similar character and materially assist the faucet in dispensing the liquid.

In Fig. 5 of the drawing there is shown the method of employing the device in connection with a cask or other wooden container, an opening 35 being provided in the wall thereof through which is inserted a threaded bushing 36, for engagement with the shell A, said bushing being formed with a flange 37 having openings therein for the reception of screws or other suitable securing means.

What is claimed, is:—

In a faucet, the combination with a tubular member, of a valve hinged to said member for closing one end thereof, a handle pivoted to said member eccentrically of the valve and operatively connected with the latter, and coöperating locking means on said valve and handle for retaining said valve closed, and releasable upon operation of the handle to open said valve.

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

JOHN F. W. KUHR.

Witnesses:
NELS JENSEN,
FRANK L. LANDEKRON.

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