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1,470,196

J. M. RUHMANN

HOSE COUPLING

Filed Feb. 15, 1921

Fig. 1.

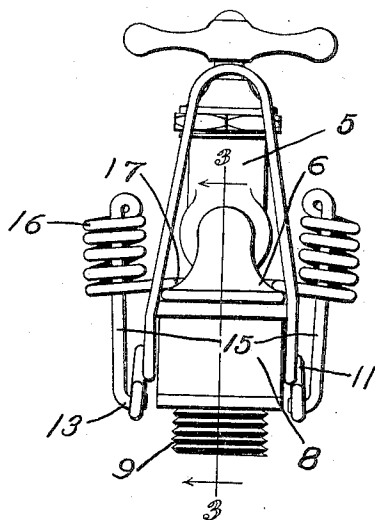


Fig. 2.

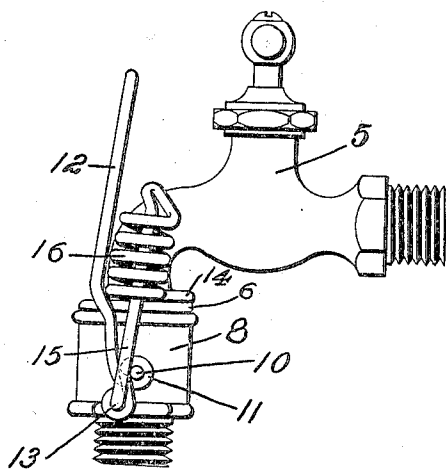
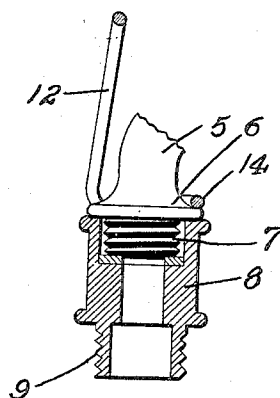


Fig. 3.



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JACOB M. RUHMANN, OF SAN ANTONIO, TEXAS.

HOSE COUPLING.

Application filed February 15, 1921. Serial No. 445,154.

To all whom it may concern:

Be it known that I, JACOB M. RUHMANN, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented a new and useful Hose Coupling, of which the following is a specification.

This invention relates to detachable pipe couplings, and more particularly to a pipe coupling designed for coupling a hose or the like to a spigot.

The primary object of the invention is to provide a device of this character which will grip the spigot associated therewith, and force the same into the coupling forming a part of the device.

A further object of the invention is the provision of spring tensioning means for insuring a water-tight connection between the coupling and spigot.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:—

Figure 1 illustrates a front elevational view of a coupling constructed in accordance with the present invention.

Figure 2 illustrates a side elevational view of the same.

Figure 3 illustrates a sectional view taken on line 3—3 of Figure 1.

Referring to the drawing in detail, the reference character 5 designates a spigot which is of the usual construction, the same being provided with a flange 6, and a threaded extension 7. The coupling comprises a circular body portion 8 that is provided with an upper recessed portion to accommodate the extension 7 and a lower extension 9, which is threaded to be positioned in the usual connecting ring of a hose.

Extending laterally from the body portion 8 on opposite sides thereof, are the pins 10 which accommodate the loop portions 11 of the operating lever 12, so that the operating lever may have pivotal connection with the body portion 8.

The lever 12 is formed of a length of wire bent intermediate its ends to provide a handle portion, the ends of the wire being formed into a double loop, one loop being indicated at 11 while the other loop is indicated by the reference character 12', and as shown, the loops 12 receive the inwardly extending extremities 13 of the clamping jaw 14.

The jaw 14 also includes a length of wire formed into a pair of arms 15 which lie in parallel relation with the mouth of the spigot to which the same is attached, portions of the wire being formed into the coil 16, the intermediate portion of the length of wire being curved as at 17 to provide the jaw 14.

From the foregoing it will be seen that when a coupling as described is positioned over a spigot so that the jaw 14 thereof contacts with the flange 6 of the spigot, movement of the lever 12 to a position as indicated by Figure 2 of the drawing, draws the arms 15 downwardly and forces the jaw 14 of the coupling into contact with the spigot, against the tensions of the springs 16.

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

In a hose coupling, a circular body portion having a threaded extension formed integral therewith, laterally extending pins carried by the body portion, an operating lever including a length of wire bent intermediate its end and having loops, a jaw including a length of wire curved intermediate its ends to embrace a portion of a spigot, the last mentioned length of metal having coiled portions, portions of the length of metal extending through the coiled portion and having their extremities extending through loops of the lever, and said pins extending through loops of the lever to secure the lever to the body portion, and said lever adapted to move the spigot engaging section of the lever into close engagement with a spigot when the lever is moved to its active position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JACOB M. RUHMANN.

Witnesses:

GEORGE B. McCASKILL,
E. J. HASSE.