(No Model.)

M. O. KUPFERLE.

FAUCET.

No. 371,509. Patented Oct. 11, 1887.

Fig. I.

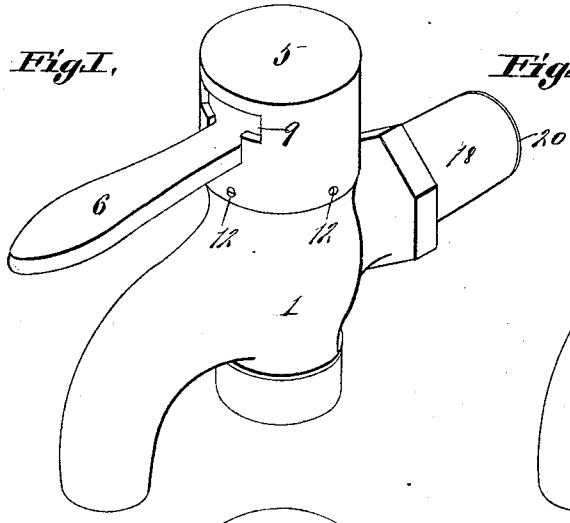


Fig. II.

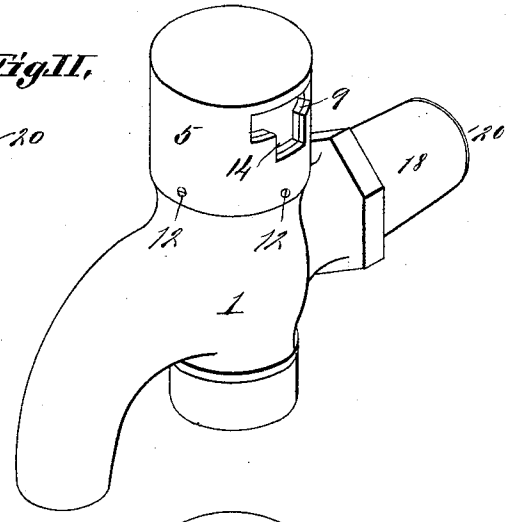


Fig. III.

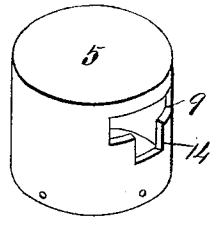
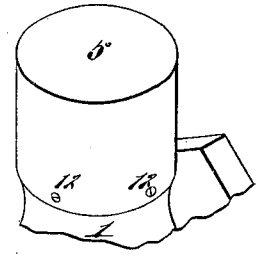


Fig. IV.



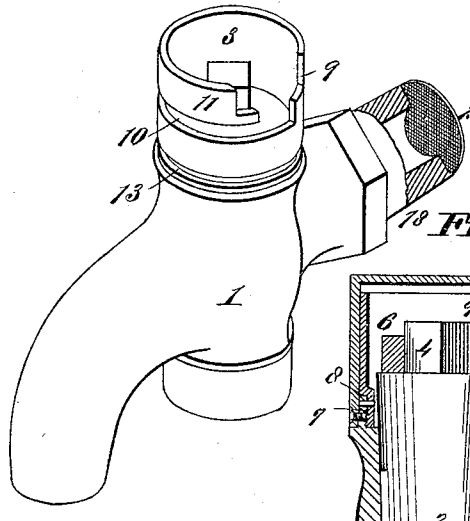


Fig. VI.

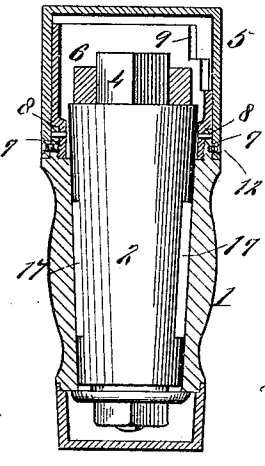


Fig. V.

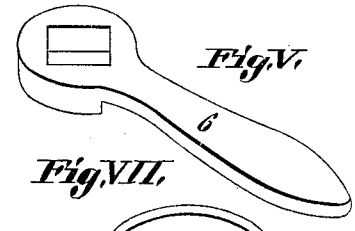
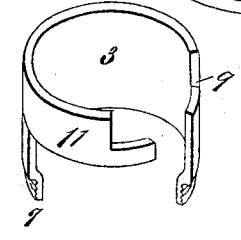


Fig. VII.



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UNITED STATES PATENT OFFICE.

MARCELLUS O. KUPFERLE, OF ST. LOUIS, MISSOURI.

FAUCET.

SPECIFICATION forming part of Letters Patent No. 371,509, dated October 11, 1887

Application filed May 20, 1887. Serial No. 238,882. (No model.)

To all whom it may concern:

Be it known that I, MARCELLUS O. KUPFERLE, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Faucets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a perspective view showing the key or lever in place and turned into the position it occupies when the faucet is opened. Fig. II is a perspective view with the key removed. Fig. III is a perspective view, part in section, with the cap removed. Fig. IV is a detail perspective view showing the cap turned to exclude the dust by closing the key-opening. Fig. V is a perspective view of the key. Fig. VI is a vertical transverse section, and Fig. VII is a perspective view of a modification of the top.

My invention relates to certain improvements in faucets; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents the body of the faucet; 2, the plug; 3, a top or casing surrounding the key-seat 4 of the plug; 5, a removable cap, and 6 the key or lever. The seat 4 is on the upper end of the plug, and the key 6 fits over the seat and serves to turn the plug to open and close the faucet.

The top or cover 5 is preferably made in a separate piece from the body and secured to the body by means of a screw-threaded portion, 7, entering a threaded socket formed in the body, (see Fig. VI,) and it may be held from turning, when screwed down, by means of pins or screws 8. The top has an opening, 9, to receive the head of the key to allow it to be placed upon its seat 5, and a slot, 10, to receive the shank of the key as it is turned to open the faucet. The part 11 of the top above the slot prevents the key from being raised off its seat when the faucet is opened or partly opened, so that the only way to remove the key is to first close the faucet, and then the opening 9 will permit the key to be raised and drawn out.

The cap 5 is secured over the top by means of screws or pins 12, whose inner ends fit in a circumferential groove, 13, in the top or in the upper part of the body of the faucet. (See Figs. III and VI). The cap can thus be turned, and it has an opening, 14, to correspond with the opening 9, in the top to permit the insertion of the key. When the key is operated to open and close the faucet, the cap turns with it, and when the key is removed the cap can be turned into the position shown in Fig. IV, to exclude dust, &c., and prevent water entering the chamber above the plug. When water enters this chamber in cold weather, it becomes frozen and interferes with the operation of the faucet. A slight modification of the top is shown in Fig. VII, in which the part below the tongue 11 is removed.

The plug 2 is reduced at 17 on each side to permit the passage of the liquid when the plug is turned to the proper position, and it has been found that in practice small pieces of bungs, &c., pass through the inner portion, 18, of the faucet and get between the plug and the body of the faucet at these flat portions and prevent the plug from being turned to open the faucet, thus preventing the key being turned in beneath the part or tongue 11 of the cap, or, when the key is turned in beneath this portion of the cap, prevents it from being turned or removed. To avoid this difficulty I secure a wire gauze or other screen or strainer, 20, on the end of the portion 18 of the body of the faucet, which prevents the entrance of pieces of bungs, &c., and, in conjunction with the plug and key, produces a faucet which is effectual as well as durable and safe.

I claim as my invention—

1. The combination of the body, the plug having the key-seat, the top having the opening for the admission of the key and the cut-away portion for permitting the necessary movement of the key in opening and closing the faucet, and a cap having an opening for the admission of the key, secured to the top of the faucet, so as to be capable of turning thereon, substantially as and for the purpose set forth.

2. The combination of the body 1, the top 3, cut away at 9, for permitting the insertion of the key, and having the tongue 11 for pre-

venting the removal of the key while the faucet is open, the plug 2, having the key-seat 4, the cap 5, having the opening 14 for the admission of the key, and the tongue-and-groove connection between the cap 5 and top 3, whereby the former may be turned upon the latter, substantially as set forth.

3. In a faucet, in combination with the body having a screen on its inner end, and a circumferential-groove, 13, plug having a key-seat and located within the body, and having flat surfaces 17, key-top, with key-opening and slot, and cap having a key-opening and secured over the top by means of screws entering the circumferential groove in the body, all substantially as and for the purpose set forth.

MARCELLUS O. KUPFERLE.

In presence of—
GEO. H. KNIGHT,
EDW. S. KNIGHT.