(No Model.)

R. M. & F. D. GREEN.

MEASURING FAUCET.

No. 397,854. Patented Feb. 12, 1889.

Fig. 1.

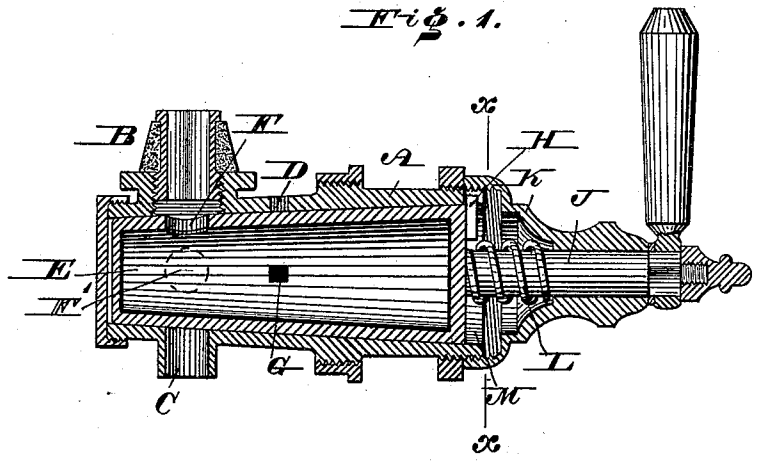


Fig. 2.

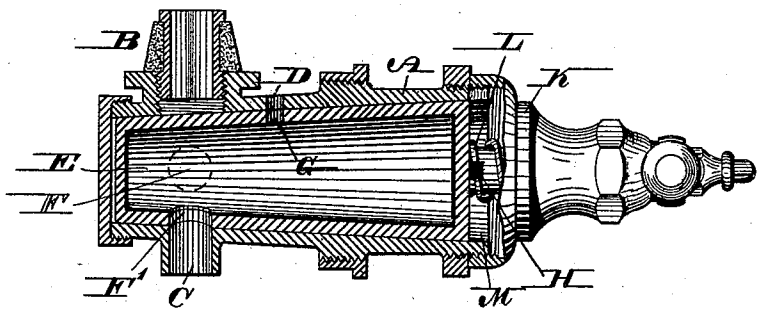
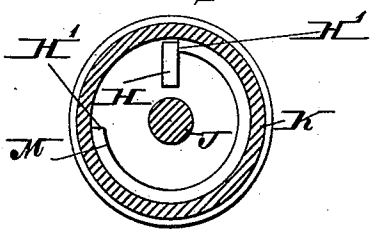


Fig. 3.



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UNITED STATES PATENT OFFICE.

ROBERT M. GREEN AND FRANK D. GREEN, OF PHILADELPHIA, PENNSYLVANIA.

MEASURING-FAUCET.

SPECIFICATION forming part of Letters Patent No. 397,854, dated February 12, 1889.

Application filed September 13, 1888. Serial No. 285,312. (No model.)

To all whom it may concern:

Be it known that we, ROBERT M. GREEN and FRANK D. GREEN, citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Measuring-Faucets, which improvement is fully set forth in the following specification and accompanying drawings.

Our invention relates to improvements in measuring-faucets; and it consists of a casing or shell having an inlet and outlet, and a hollow measuring plug or spigot fitting in said casing, provided with ports adapted to register with the inlet and outlet of the casing, and, furthermore, in said shell and plug having air-vents.

Figure 1 represents a central longitudinal sectional view of a measuring-faucet embodying our invention, the same being closed. Fig. 2 represents a central longitudinal sectional view thereof in open or discharging position. Fig. 3 represents a section on line x x, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates the casing or shell of the faucet, which is provided with an inlet, B, outlet C, and air-vent D.

E designates the hollow plug or measuring-chamber, which is seated within the casing or shell A and provided with ports F F′, constituting the inlet and outlet of said plug, and an opening or vent, G, to allow air to enter the same. The interior surface of the plug may be covered with rubber or other material to prevent the liquid from contacting with the metallic surface thereof. The plug is provided with a lug, H, which is adapted to engage with shoulders H′ on the casing, and forms a stop for said plug.

J designates a stem on the plug, which projects outward through the opening in the cap K of the casing or shell, and to the end of the stem or rod is attached a handle for turning the plug. A spring, L, is placed around the stem and bears against the plug and the cap K, the purpose of which is to hold the plug on its seat.

The operation is as follows: The plug, when in its normal position, as shown in Fig. 1, has the port F therein communicating with the inlet-opening in the casing, consequently allowing the entrance of the liquid to fill said plug. The handle is then operated, rotating the plug a quarter-turn and causing the said port F therein to close, and at the same time causing port F′ to communicate with the outlet-opening of the casing or shell, the vent-openings in said plug and shell also being brought into communication, whereby the liquid is permitted to flow from the port in the rotary plug through the outlet in the casing, the one port of the plug serving as the inlet and the other port of the plug serving as the outlet therefor, as is evident.

The shoulders H′ on the casing are at opposite ends of a segmental flange, M, to which the cap K is screwed, said cap thus inclosing the end of the casing and adjacent parts. The shoulders may be separated a distance twice that shown, so that the plug may make a half-turn, in which case the port F′ may be dispensed with, and the port F will be both the outlet and inlet of the plug.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a measuring-faucet, a shell, a plug therein, and a lug connected with said plug, and a cap, said shell having a segmental flange to which the cap is screwed, and provided with shoulders at the ends thereof, substantially as described.

2. A measuring-faucet consisting of a shell having an inlet and an outlet port and an air-vent, and provided with a segmental flange, a cap secured to said flange, a hollow plug located in said shell, and having ports and vent registering with said ports and vent in said shell, and provided with a stem having a bearing in said cap, a handle on the outer end of said stem, and lugs on the stem end of said plug, said parts being combined substantially as described.

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Witnesses:
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