

(No Model.)

R. F. STAHL.
FAUCET.

No. 428,644.

Patented May 27, 1890.

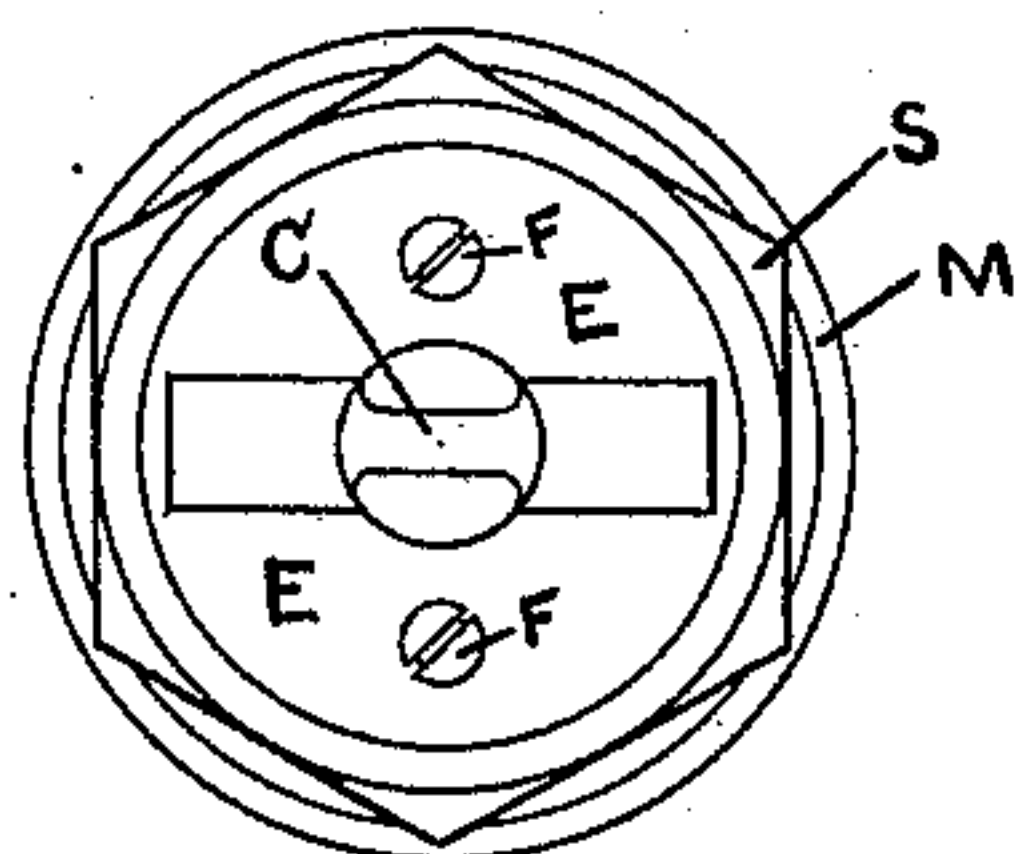
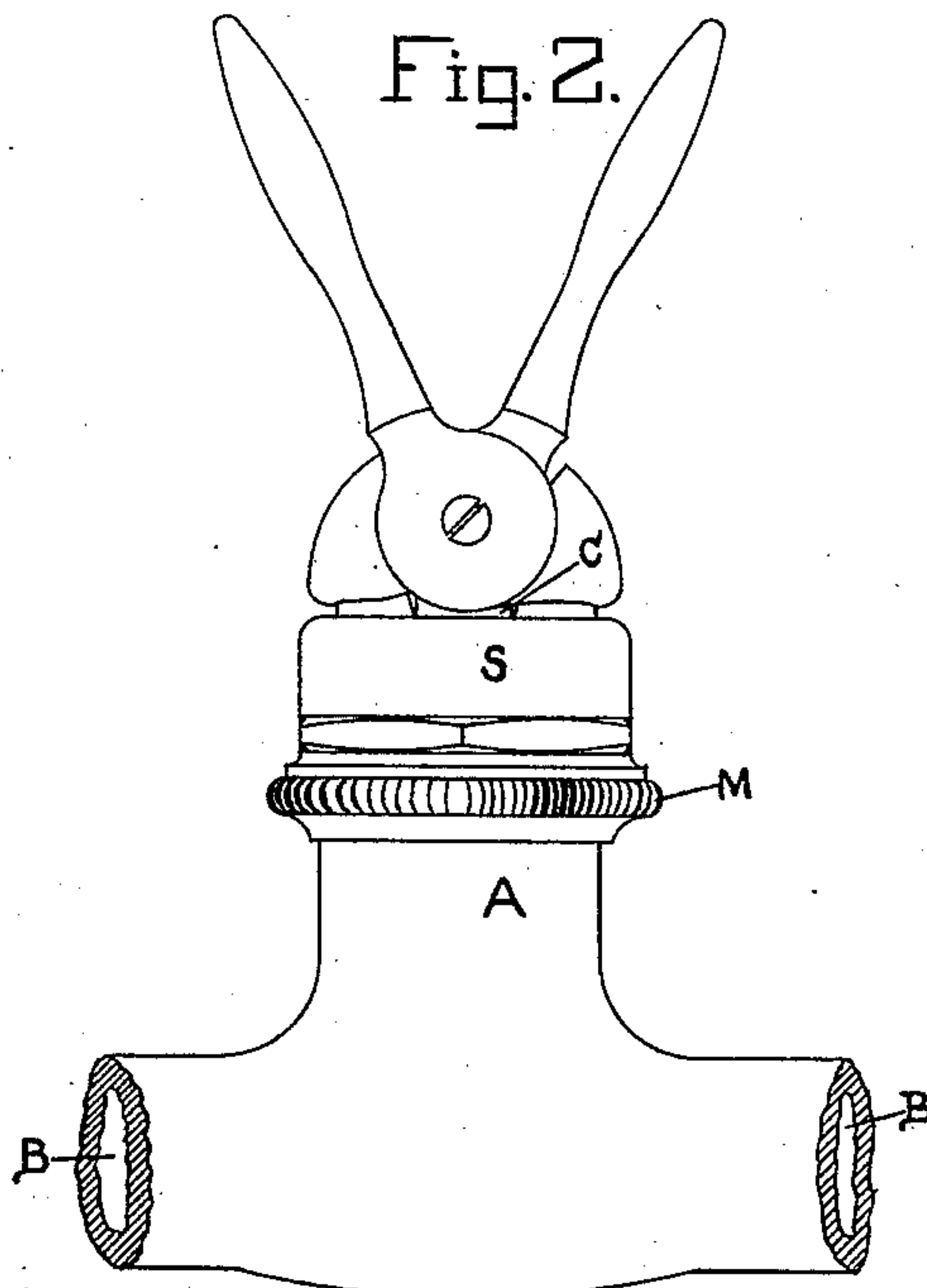
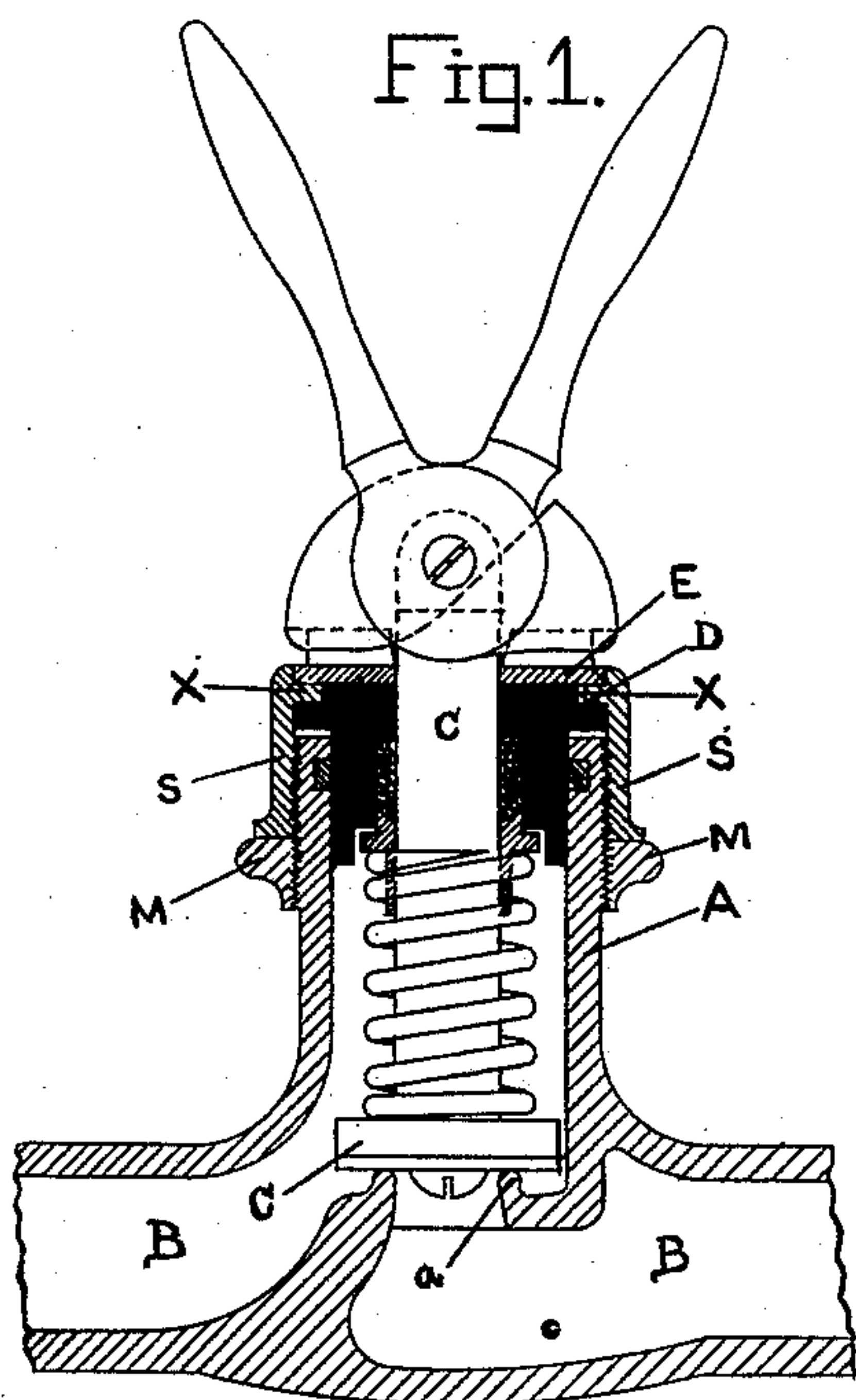


Fig. 3.

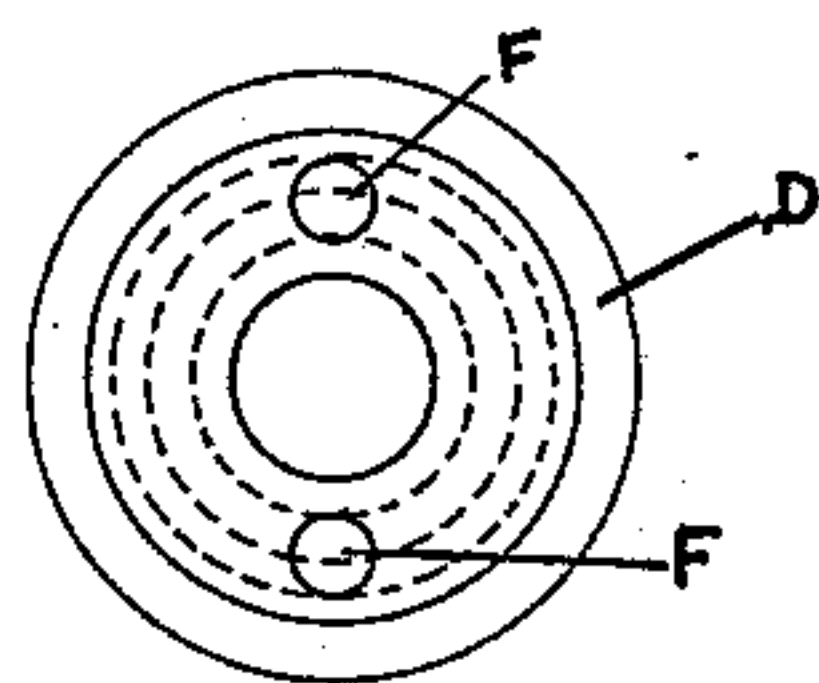


Fig. 5.

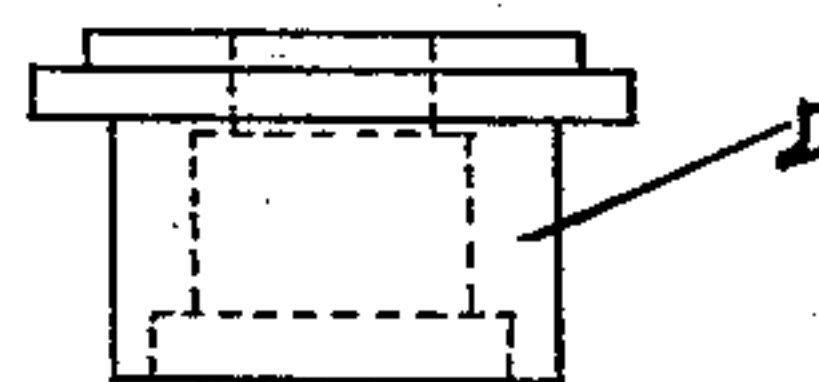


Fig. 4.

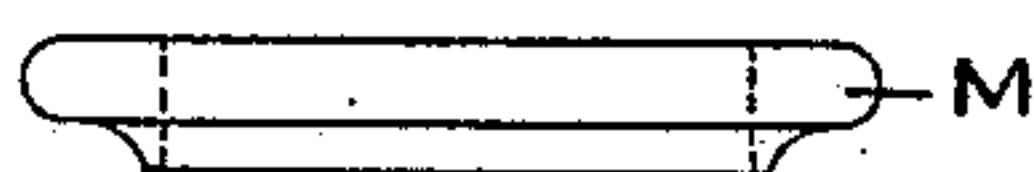


Fig. 6.

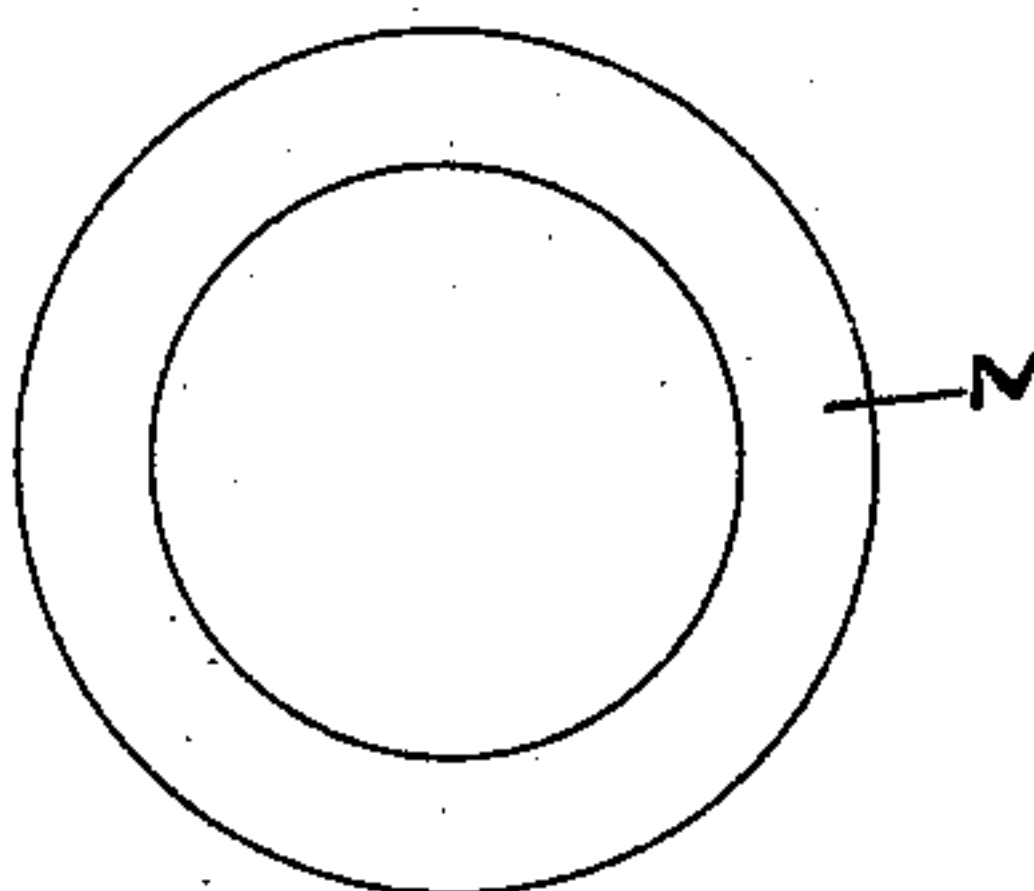


Fig. 7.

Witnesses.

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UNITED STATES PATENT OFFICE.

RUDOLPH F. STAHL, OF BOSTON, MASSACHUSETTS.

FAUCET.

SPECIFICATION forming part of Letters Patent No. 428,644, dated May 27, 1890.

Application filed July 11, 1889. Serial No. 317,178. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH F. STAHL, of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Faucets, of which the following is a specification.

My invention pertains more particularly to what are known as "self-closing faucets," and it specially relates to means for adjusting the working parts or valve lifting mechanism of such faucets as fast as displaced or rendered inoperative by wearing of the same by use.

My invention primarily consists in a cap-nut threaded interiorly so as to be screwed upon the barrel of the faucet, and arranged to receive the pressure of the lever or levers by which the valve is lifted from its seat to open the faucet, and, by being turned upon the threaded barrel, to be elevated to counteract any looseness occasioned by wear beneath or on the surface of the levers. This wearing of the parts has hitherto been impossible (or exceedingly expensive if possible) of repair, and the life of the apparatus has been greatly shortened by reason of this difficulty, which my invention does away with.

My invention consists in the combination, with a valve having a stem projecting through the cap of the faucet, of a grooved plug fitted to and free to slide upon the said stem and within the barrel of the faucet, and a cap-nut threaded to the outside of the faucet-body and provided with a lip projecting into and fitting the groove in the plug aforesaid, so that by turning the cap-nut on its threads the plug will be raised or lowered as desired.

In the accompanying drawings, Figure 1 is a central section of the faucet with the valve seated and showing my improved method for raising or lowering the plug to any desired position. Fig. 2 is an elevation showing exterior form of the faucet with my improvement attached. Fig. 3 is a plan of the top of the faucet with the arms or levers removed, showing cap and shoulders upon which the arms of the faucet rest. Fig. 4 is an elevation of the sliding plug. Fig. 5 is a plan of

the same, showing its top. Fig. 6 is an elevation of the lock nut or ring for locking the cap-nut in position. Fig. 7 is a plan of the same.

In the drawings, A represents a self-closing faucet. This faucet A is of the ordinary kind, and as to its water-passage B, valve or spigot C, and seat *a* for such valve, it is constructed as usual, and therefore needs no particular description herein. The valve or spigot C projects from the faucet at and through the center of the sliding plug D, and also through the center of the cap E, the cap E being firmly secured to the plug D by the screws F F, so that its lower surface forms the upper part of a groove into which fits the lip X of the cap-nut S.

M is a nut threaded in the same manner as the cap-nut S to fit the barrel of the faucet A.

It will be seen that by turning the cap-nut S on its threads the plug D and the cap E, forming substantially one piece, will be raised or lowered to any desired position, and may be firmly secured in such position by the lock-nut M, the idea being to adjust the working parts of the lifting mechanism so that there shall be no play therein, and when such play occurs, by reason of wear on the cams or levers of the faucet, it may be taken up by raising or lowering the plug D by means of the cap-nut S, as hereinbefore described, and substantially as shown in the drawings.

Having described my invention, I do not claim as any part of the same so much of a faucet as is well known in connection with self-closing faucets of the class of which Letters Patent to Patrick W. Doherty, Serial No. 161,768, is an illustration, upon which my said invention may be considered an improvement, although I do not mean to limit myself to the form of self-closing faucet therein described; but,

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. In a self-closing faucet, the combination, with an adjustable cap-nut having a removable cap, of a plug adapted and arranged to be fastened to said cap and move vertically therewith, a valve-stem, and a raising device

adapted to engage the top of the cap, substantially as described.

2. In a self-closing faucet, the combination of the faucet-body, an adjustable cap-nut
5 thereon, a plug swiveled to said cap-nut, the valve and stem and the raising device supported thereon, the whole constructed so that

the wear of the raising device may be compensated for without changing the radial position of the same, substantially as described. 10
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Witnesses:

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