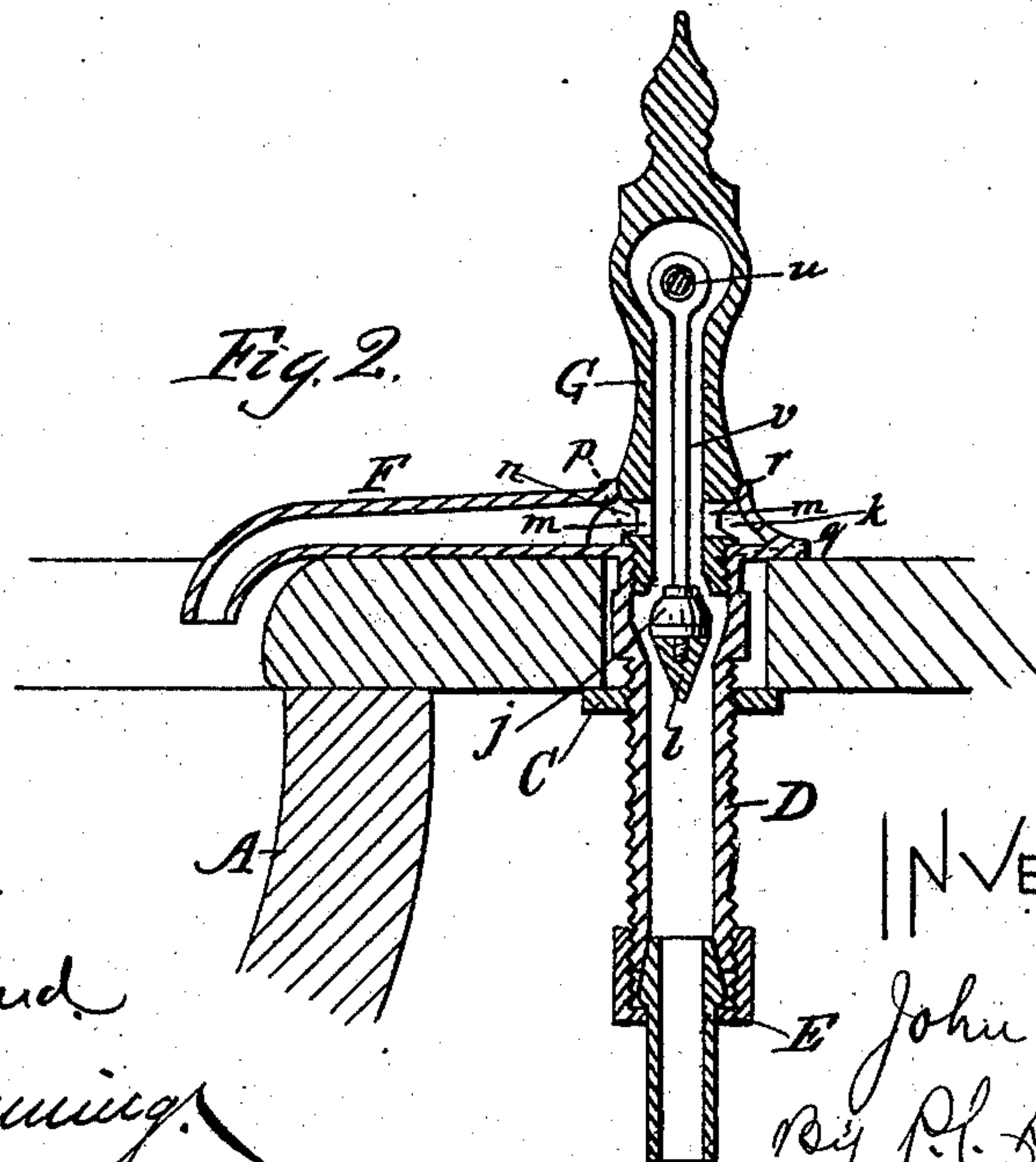
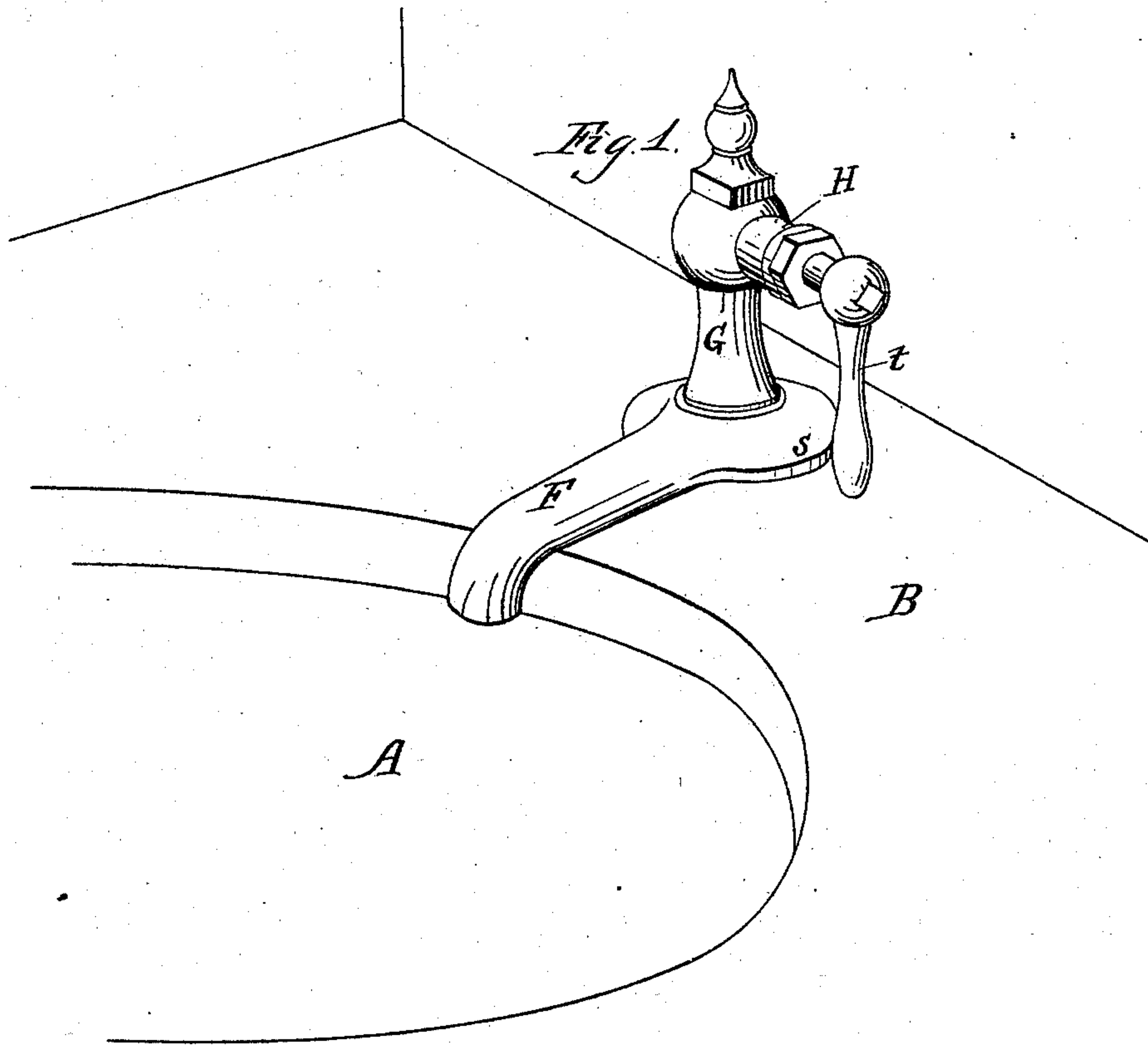


(No Model.)

J. CLIFFORD.
Faucet.

No. 238,855.

Patented March 15, 1881.



WITNESSES.

F. B. Townsend.
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UNITED STATES PATENT OFFICE.

JOHN CLIFFORD, OF CHICAGO, ILLINOIS, ASSIGNOR TO L. WOLFF MANUFACTURING COMPANY, OF SAME PLACE.

FAUCET.

SPECIFICATION forming part of Letters Patent No. 238,855, dated March 15, 1881.

Application filed December 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN CLIFFORD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have made certain new and useful Improvements in Faucets; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, of which—

10 Figure 1 is a perspective view of my faucet as attached to a basin, and Fig. 2 a central vertical section of the same.

My invention relates to the construction of faucets having a valve operated on an eccentric; and my object is so to improve upon their present construction that the operating parts with the valve may easily be detached for the purpose of renewing the valve or making repairs, leaving undisturbed the discharge-tube and remainder of the faucet.

In the drawings, A represents an ordinary basin with surrounding marble B; C, the jam-nut; D, the shank; and E, the coupling, all of the usual construction.

25 From the upper end of the shank D, and cast in one piece with it, the spout F projects horizontally, the rear end, *s*, of this spout being broader than the parts below it, and having an interior diameter greater than that of the shank D.

30 G is the body, cored out and containing the valve-rod connection *v* to the eccentric *u*, operated by the handle *t*, and having a horizontal extension at its upper end. The body G enters through an opening in the top of the part *s* of the spout. The joint *r*, which is preferably a taper-joint, (although one with a packing may be used,) is made tight by the screw-thread below to prevent leakage when water is discharging through the opened valve.

40 At the lower end of the body G is the shoulder *p*, made water-tight on its seat, and the thread *g*, which engages with the upper end of the shank D, as shown. Above the shoulder *p* it is provided with a recess, *n*, within which are openings *m* leading to the outlet. Thus, when the handle *t* is so turned as to lower the plug or valve part *l* to the position shown in Fig. 2, the water passes through the openings *m* into the annular chamber *k* formed by the

interior wall of the extended part *s* of the spout and the recess *n* on the body G, and thence out through the spout F.

Faucets of the class to which this belongs have the valve formed of a rubber plug. This requires renewal at times; and the other parts being subject also to wear and damage by accident, an easy way of effecting the removal of these parts from their position is very desirable.

60 In faucets of this character, as now made and used in connection with basins with discharge tube or spout low down on the slab, and in double bath-cocks, the whole faucet must be removed before it can be taken apart, which necessitates working underneath the wash-basin to disconnect and reconnect the supply-pipe and jam-nut holding the faucet in its place, and making over again the plaster-of-paris joint set under the faucet, and requires, hence, the services of a plumber. In a bath-cock supplying hot and cold water the trouble is increased, as, in addition, the wood-work has to be removed and the painting and graining injured, as the operating parts are behind the tub. With my improved construction all are inside the tub, and no pipes or wood-work need be disturbed.

80 The object of my construction, as stated, is to admit of an easy and expeditious changing of the rubber plug *j*, and of making repairs. I accomplish this by having ports *m* in the body G, as shown, with a tight joint above and one below these ports; also, by having the shank D and outlet-tube F in one piece.

85 What I claim as new, and desire to secure by Letters Patent, is—

1. In a faucet having a valve operated by an eccentric device, the body G, entering the outlet-tube and shank from above, and having two seats or joints, *r* *q*, when in position, with one or more ports, *m*, as and for the purpose set forth.

2. In combination with the spout F and the shank D of a faucet, the detachable cored body G, having the ports *m* and horizontal extension H, and carrying the valve *j* and operating mechanism *v* *u* *t*, substantially as and for the purpose set forth.

3. The combination of the shank D, pro-

vided with an interior thread at its upper end, spout or outlet-tube F, having the distended or rear end, *s*, with an opening in its top, and body G, having the recess *n*, ports *m*, and horizontal extension H, and adapted to enter through
5 the opening in the top of the said part *s* of the spout, and having its lower end threaded to

screw into the upper end of the shank D, and carrying the valve *j* and operating mechanism *v u t*, substantially as described.

JOHN CLIFFORD.

In presence of—

P. C. DYRENFORTH,
D. E. DOPP.