

(No Model.)

W. SCOTT.
WATER CLOSET.

No. 407,041.

Patented July 16, 1889.

Fig. 1.

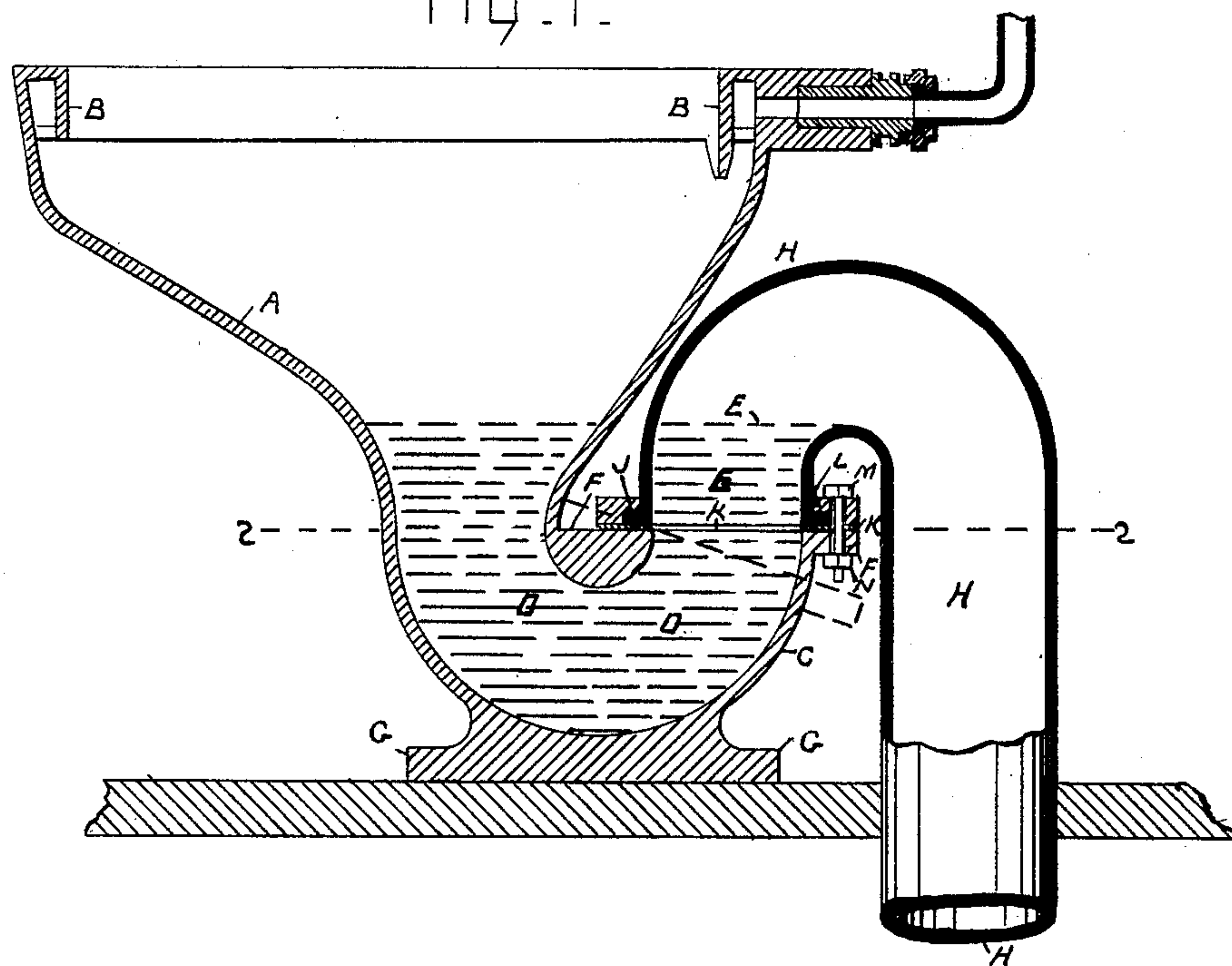
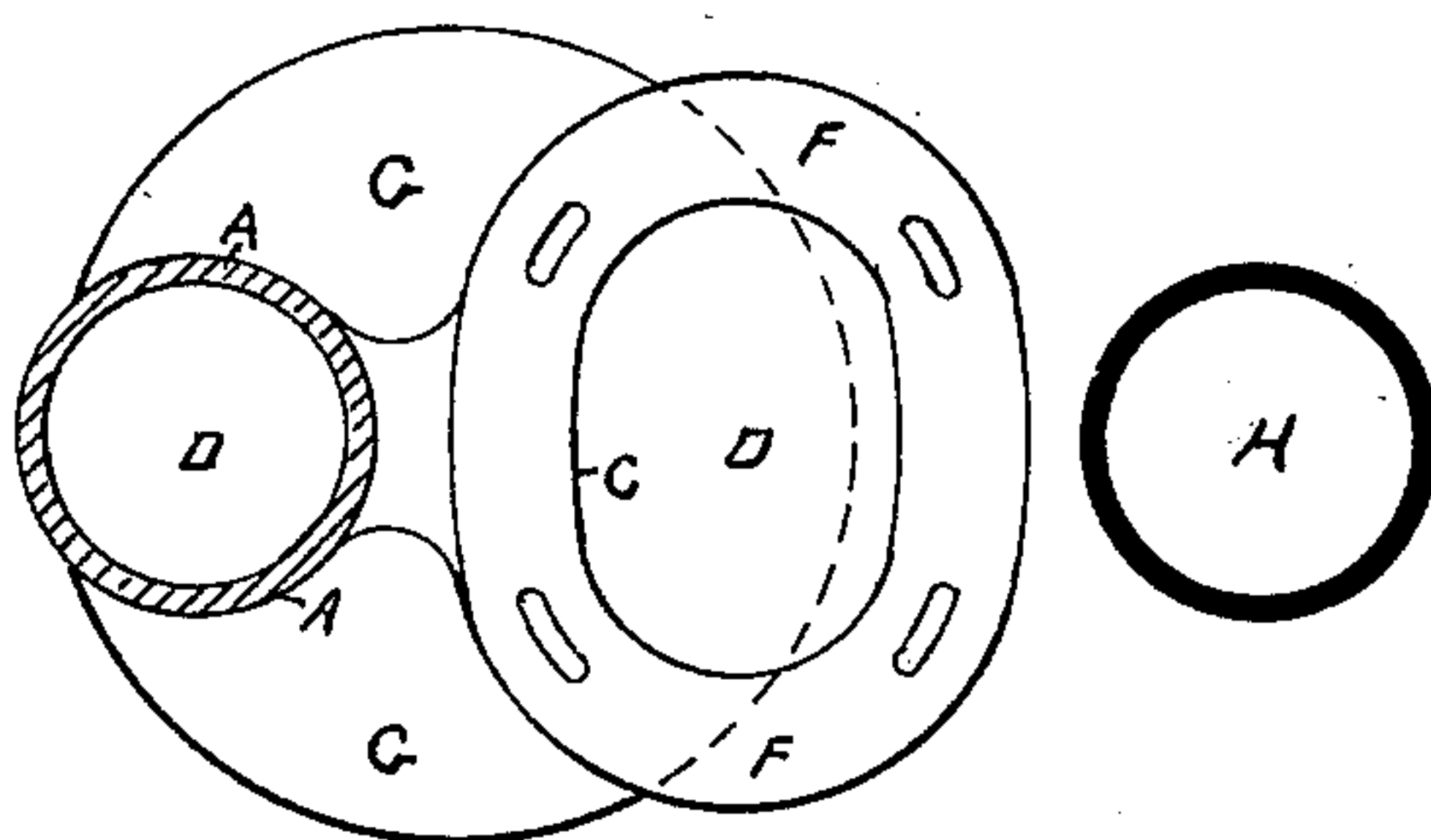


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM SCOTT, OF MEDFORD, MASSACHUSETTS.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 407,041, dated July 16, 1889.

Application filed January 10, 1889. Serial No. 296,045. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SCOTT, a citizen of the United States of America, and a resident of the town of Medford, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Water-Closets, of which the following is a full, clear, and exact description.

This invention particularly relates to what are known as short-hopper closet-bowls.

The invention consists of a short-hopper closet-bowl having a flushing-rim or other suitable means to flush it, a discharge leading downward from the lowest portion of the bowl and turned upward therefrom, constituting one part of a water-trap, and terminating in a ledge, preferably more or less horizontal, all in one piece of earthenware, in combination with a metal waste-pipe jointed to the ledge of the trap and in continuation of said upturned discharge of the bowl, completing the water-trap, and having its said joint submerged in and thus sealed by the standing water of the trap, all substantially as hereinafter described.

In the drawings forming part of this specification, Figure 1 is a central vertical section from front to rear of the combination of this invention. Fig. 2 is a horizontal section, line 2 2, Fig. 1.

In the drawings, A is a short-hopper closet-bowl. B is its flushing-rim. C is its upturned discharge, forming part D of a water-trap D E, and, as particularly shown, terminating in a horizontal ledge F with projecting sides; and G is a base-plate, all in one piece of earthenware.

H is the metal waste-pipe, in continuation of the discharge C of the bowl and forming part E of the water-trap D E, and together with the part D completing the trap. The

waste-pipe is of U shape, inverted, and its shorter leg has a flange J surrounding it and seated on the ledge F of the bowl-discharge. Its joint K is packed, and it is fastened in place by a flanged ring L, overlapping its flange, and headed screw-bolts M and screw-nuts N, all as well known.

The joint K of waste-pipe H and upturned discharge C of the bowl are submerged in the standing water of the trap, and thereby sealed, obviating all possibility of leakage of gases at the joint, as also serving to keep the packing moist and in the best condition for effectual service.

The ledge F, although shown as horizontal, may be more or less inclining, as shown by dotted line O, Fig. 1, but preferably it is horizontal.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

A short-hopper closet-bowl having means to flush it, and a discharge leading downward from the lowest portion of the bowl and turned upward therefrom, terminating in a ledge and forming part of a water-trap, having its dip between said ledge and the bowl, all in one piece of earthenware, in combination with a metal waste-pipe shaped to form the other part of the trap and in continuation of said discharge of the bowl and united to said ledge, and its joint suitably packed and submerged in the standing water of the trap, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILLIAM SCOTT.

Witnesses:

ALBERT W. BROWN,
FRANCES M. BROWN.