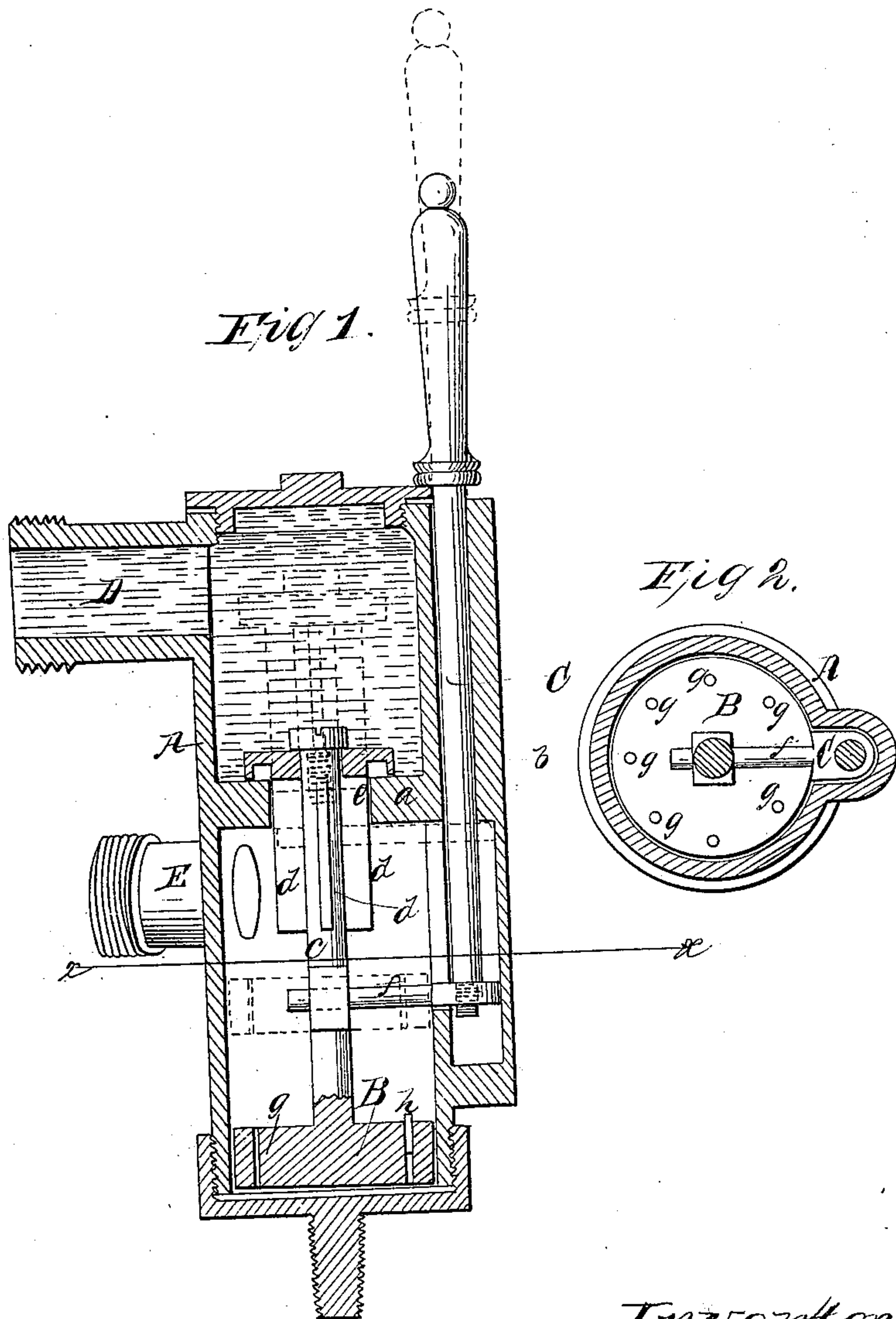


D. Wellington,
Water Closet Valve.

Nº 26,145.

Patented Nov. 15, 1859.



Witnesses.
Ambrose Wellington
Benj. Wellington

Inventor.
David Wellington

UNITED STATES PATENT OFFICE.

D. WELLINGTON, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO C. WELLINGTON, OF
SAME PLACE.

COCK FOR WATER-CLOSETS.

Specification of Letters Patent No. 26,145, dated November 15, 1859.

To all whom it may concern:

Be it known that I, D. WELLINGTON, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and
5 Improved Cock for Water-Closets; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in
10 which—

Figure 1, is a vertical central section of my invention. Fig. 2, is a horizontal section of the same, taken in the line x, x , Fig. 1.

15 Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to dispense with the usual cistern or reservoir hitherto forming a necessary appendage to a water
20 closet in order that the basin or bowl of the latter may be thoroughly cleansed and the foul pipe sealed after use.

The invention consists in constructing a cock (which is attached to a pipe contain-
25 ing water under pressure) in such a way that when its handle is released from the hand of the occupant of the closet and the basin-pan allowed to close, the cock will close gradually so as to admit, direct from
30 the water pipe, a requisite quantity of water into the basin or bowl to seal the foul pipe.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

35 A, represents a cylinder which forms the body of the cock and which is divided into two parts by a horizontal partition a , which is provided with a puppet valve b , opening upward. The stem c , of the valve is pro-
40 vided with flanches d , to serve as guides, said flanches working in the opening e , which the valve covers when closed.

To the lower end of the stem c , a plunger B, is attached. This plunger is of metal
45 and it is fitted loosely in the cylinder sufficiently so as not to be water-tight, and the length of the stem c , is such that when the valve b , is closed the plunger B, will be at the bottom of the cylinder as shown in Fig. 1.

To the stem c , a rod or handle C, is at- 50
tached by a bar f , said rod being fitted in a socket attached to the cylinder A, and extending a suitable distance above the cylinder A.

To the upper part of the cylinder A, 55
above the partition a , the water supply pipe D, is attached, said pipe containing water under pressure. To the lower part of the cylinder A, below the partition a , the discharge pipe E, is attached, said pipe leading 60
into the basin or bowl of the closet as usual.

The handle C, is connected to the basin pan in such a way that the latter will close instantly as soon as the handle is released from the hand, the pan opening as the 65
handle is drawn upward.

The plunger B, has openings g , made through it the use of which will be presently shown.

The operation is as follows:—After a 70
person has used the closet and before rising therefrom the handle C, is raised, and the basin-pan opened and the contents of the basin discharged into the foul pipe, at the same movement of the handle the valve b , 75
is raised and the water allowed to pass from D, into the lower part of the cylinder and through the pipe E, into the basin cleansing the same. As the valve b , rises the plunger B, of course follows and the 80
water is drawn underneath it, the plunger being sufficiently loose in the cylinder to permit such result. When the rod or handle C, is released from the hand, the basin-pan closes instantly as previously 85
stated, but the valve b , will slowly descend as the water below the plunger B, resists its descent, and this retardation of the valve insures a sufficiency of water passing through E, to seal the foul pipe before the 90
valve closes. The descent of the plunger B, and valve b , may be regulated as desired by closing more or less of the holes g , which may be done with wooden plugs h , one of which is shown in Fig. 1. 95

It will be seen from the above description that the use of a reservoir or water tank is dispensed with, and the flow of water re-

quired after the closing of the basin-pan in order to seal the foul pipe, is obtained direct from the water supply pipe.

Having thus described my invention what
5 I claim as new and desire to secure by Letters Patent, is—

The employment or use of the valve *b*, and plunger *B*, connected by the stem *c*,

placed within a suitable cylinder *A*, and arranged relatively with the supply and discharge pipes *D*, *E*, to operate as and for the purpose set forth. 10

DARIUS WELLINGTON.

Witnesses:

BENJ. WELLINGTON,
WINSLOW WELLINGTON.