

E. Robinson,

Commode,

N^o 53,343.

Patented Mar. 20, 1866.

Fig. 1.

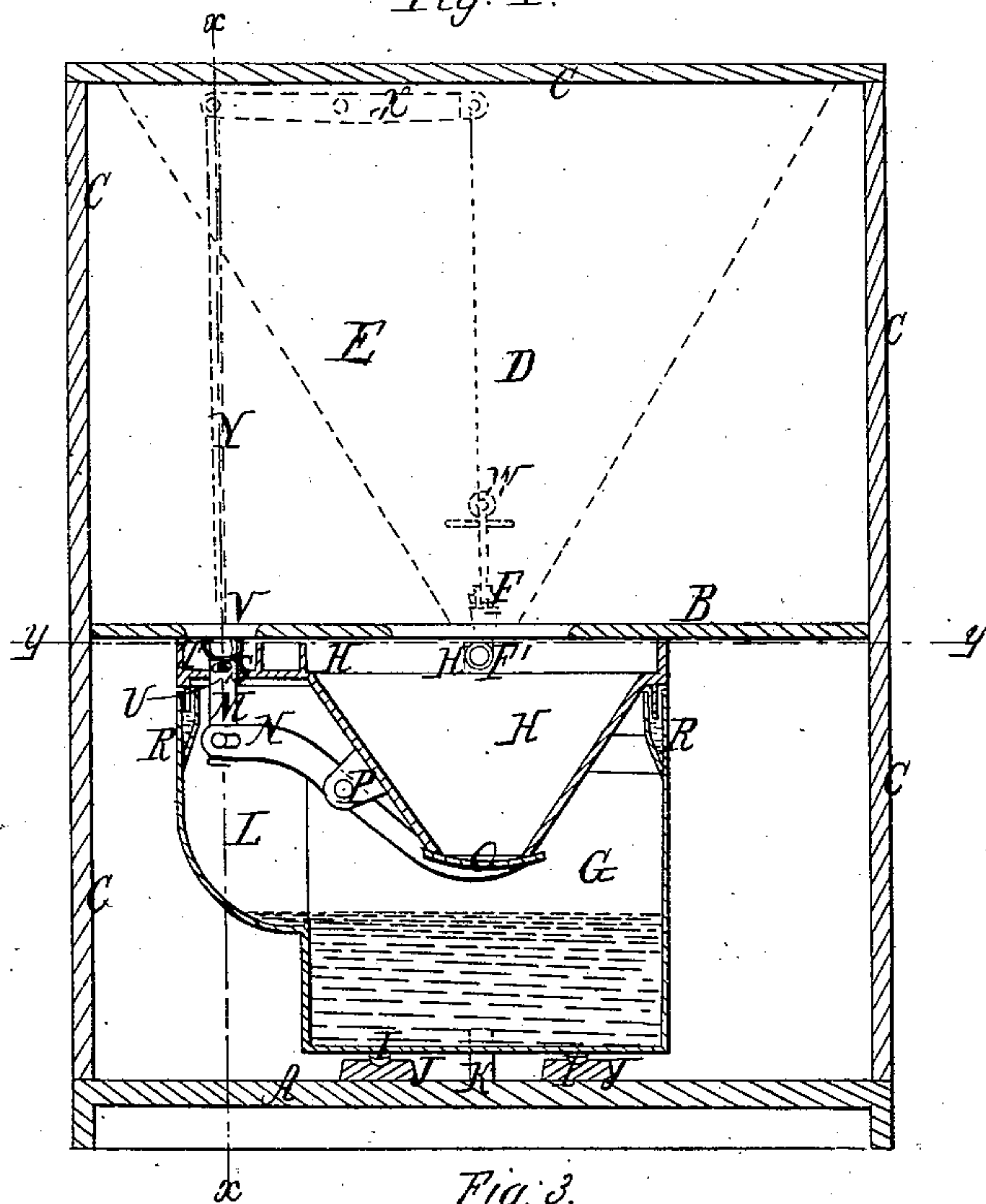
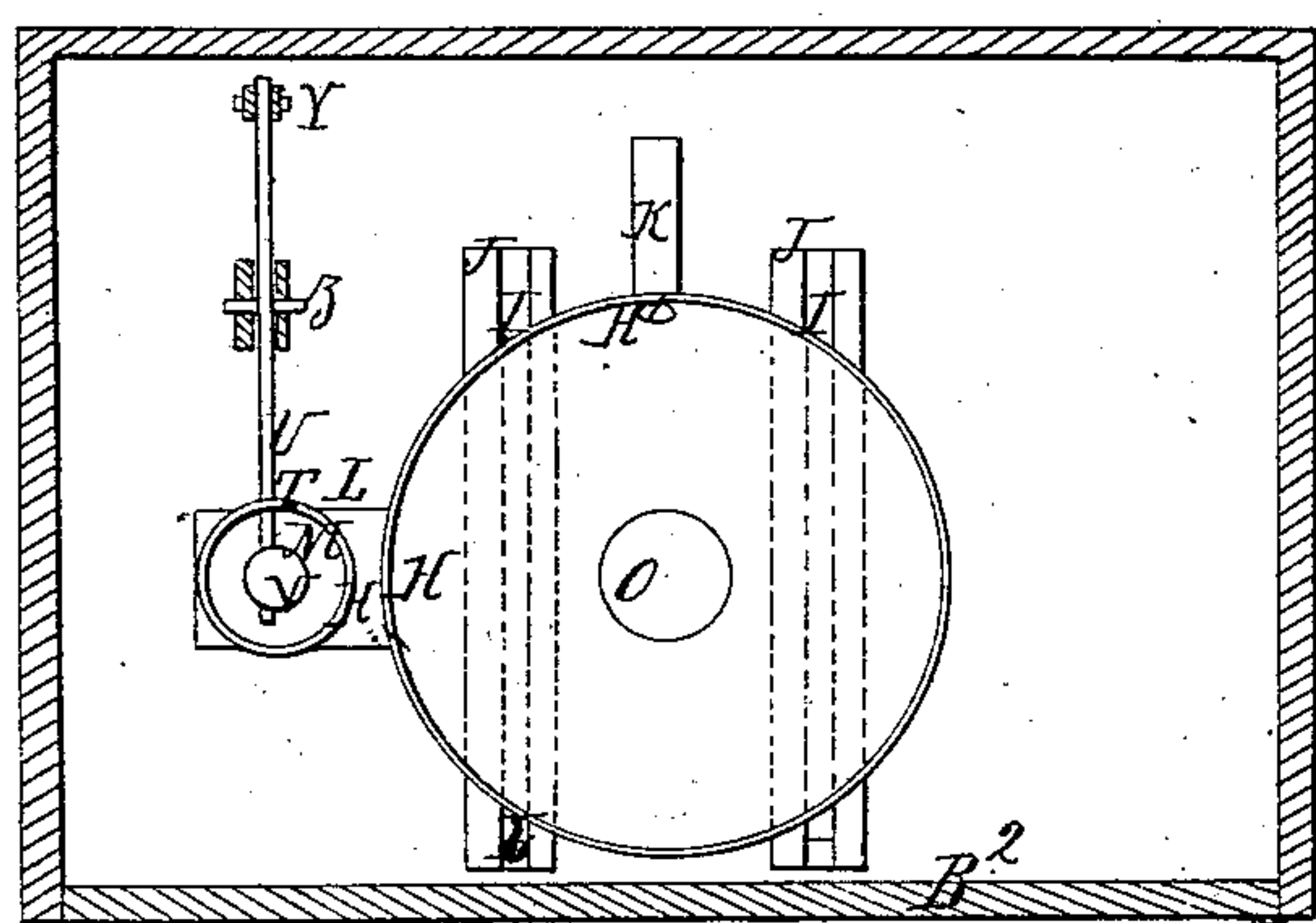


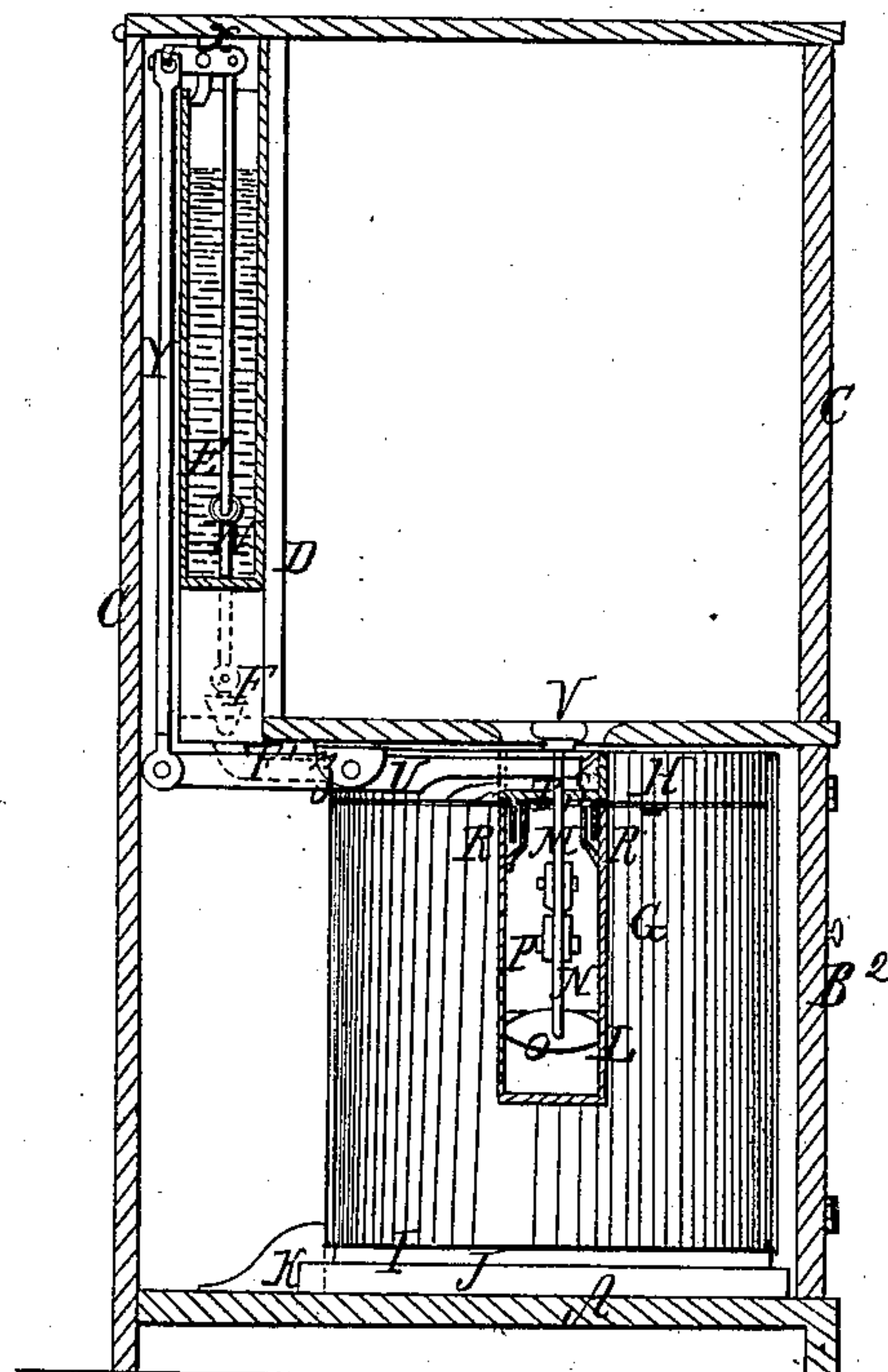
Fig. 3.



Witnesses;

*R. Erhard
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Fig. 2.



Inventor,

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UNITED STATES PATENT OFFICE.

EDWARD ROBINSON, OF NEW YORK, N. Y.

IMPROVEMENT IN PORTABLE WATER-CLOSETS.

Specification forming part of Letters Patent No. 53,343, dated March 20, 1866.

To all whom it may concern:

Be it known that I, EDWARD ROBINSON, of the city, county, and State of New York, have made certain new Improvements in Portable 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 accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical central section across the seat and soil-container of my improved water-closet. Fig. 2 is a vertical longitudinal section of the same, the line of section being indicated by the line *x x*, Fig. 1. Fig. 3 is a horizontal section of the same, the line of section being immediately beneath the seat, as indicated by the line *y y*, Fig. 1.

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

The nature of this invention consists in the peculiar construction and arrangement of the bottom of the water-closet with the soil-container, and also in the connection of the lifting-rod of the stench-trap, and in the connection of the lever for operating the water-valve, arranged through the cover of the soil-container instead of arranging the same through special openings in the soil-container. By these means the soil-container is readily removed for emptying and cleaning, and the construction of the whole is simplified to a great extent, and also the stench is more fully prevented from escaping from the soil-container than with those heretofore known.

To enable others skilled in the art to make and use my improvements, I will proceed to describe its construction and operation.

A represents the bottom of the water-closet. The seat B, the casing C, the back D, the water-basin E, and the valve F of the same are all made in the ordinary way.

G is the soil-container, and H is its cover or receiver. The soil-container G is provided on its bottom with projecting tongs I I in the direction from the front to the back of the water-closet, and the same are made to fit in corresponding-grooved guide-pieces J J, secured upon the bottom A of the closet.

K is a stop-block in the rear of the container G, also secured to the bottom A, against which the said container G stops when it is replaced, while the guide-pieces J J and tongs I I guide it properly between the sides of the closet and

to meet the hereinafter-described end of the water-pipe and lever of the water-valve.

L is the usual extension on the one side of the container G, in which the draw-rod M and stench-trap lever N are located. The stench-trap O and its said lever N work on a fulcrum-pin, P, stationary with the cover H and located in the container G.

The cover H is made to fit all around in the top of the container G, with a water-joint at R. The draw-rod M, which operates and is hinged to the stench-trap lever N, works closely-fitted through an orifice, S, in the cover H above the orifice S. The said rod M is provided with a slot, T, into which the end of lever U (which latter serves for opening the valve of the water-basin) is loosely fitted, and the top of the rod M is provided with a handle, V, upon which the operator takes hold.

The valve F, which is in the bottom of the water-basin E, is connected with the lever U in the usual way by means of a rod, W, a lever, X, and a connecting-rod, Y. The lever U has its fulcrum-pin secured at Z on the under side of the seat B of the closet.

F' is a pipe leading the water from the valve F and basin E into the cover H, the cover H having a proper opening, H', in its top part, through which said pipe F' projects whenever the soil-container is placed in its casing or under the seat B ready for operation.

The operation of the stench-trap O and valve F is simply that when the operator raises the draw-rod M by means of the handle V the stench-trap is opened, while at the same time the valve F is raised from its seat, and thereby water is supplied to clean the cover H, and is following through said cover in the container G; but as soon as the handle is released by the operator the valve F and stench-trap O close upon their seats. When the container is wanted to be emptied of its contents the same is simply withdrawn from under the seat B through the usual front door, B², of the casing, and when wanted to be replaced the operator simply looks upon placing the tongs I I on the bottom of the container and the grooves on the guide-pieces J J, and then he slides the container back under the seat B until the same is stopped from going farther by means of the stop K, whereby the end of the lever U has entered in the slot T, and the end of pipe F' has entered through the orifice H', and the

whole being ready for being used as a water-closet.

From the foregoing it is clearly seen that the soil-container G can be placed and removed properly from its seat by quite incompetent persons with facility to perfect action. Also, that by means of the arrangement and connections of the lever U, the stench-trap O, and the draw-rod M through cover H, the stench is almost entirely prevented from escaping from the soil-container G.

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

1. The arrangement of the guide-pieces J J

and stop K, when in connection with the tongs I I and the slot T and lever U, operating as and for the purpose substantially as herein shown and described.

2. The construction and arrangement of the draw-rod M, provided with the slot T, and passing through the cover H, and connecting with the lever U and stench-trap lever N, operating as and for the purpose substantially as herein shown and described.

EDWARD ROBINSON.

Witnesses:

R. ERHARD,
R. BOEKLE.