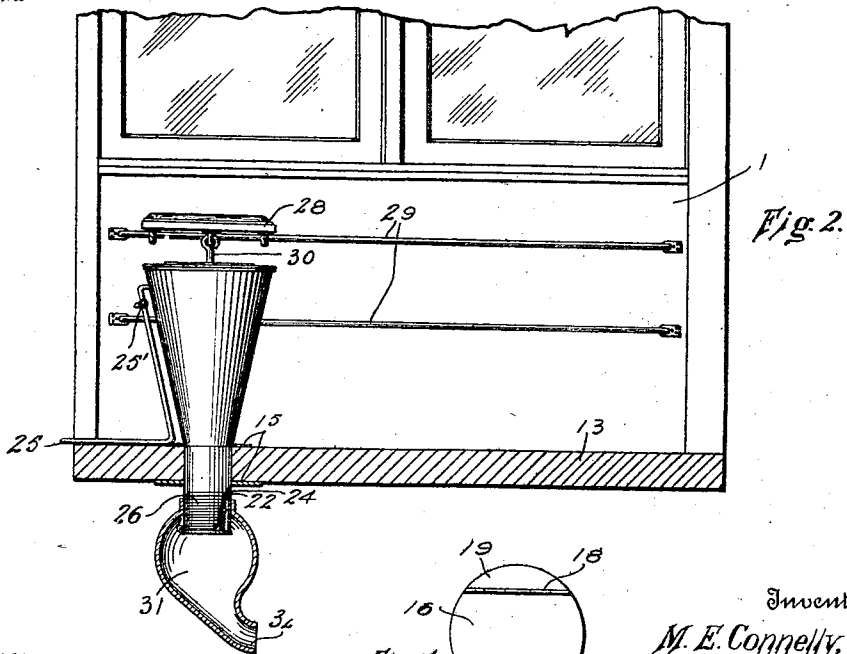
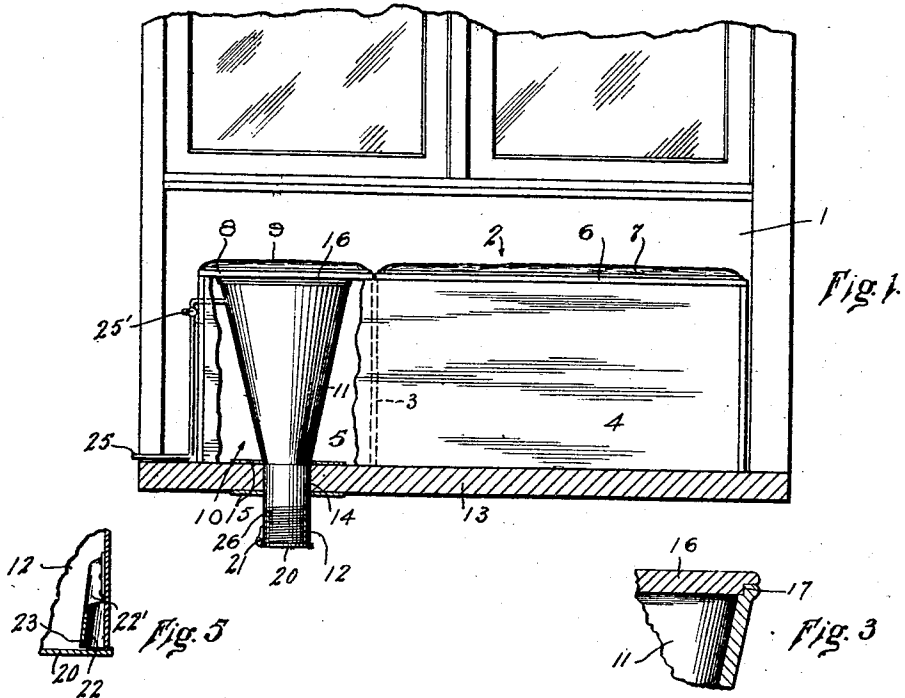


M. E. CONNELLY.
TOILET.
APPLICATION FILED FEB. 1, 1910.

968,541.

Patented Aug. 30, 1910.



Witnesses

J. S. Freeman.
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Fig. 4.

By

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TOILET.

968,541.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MICHAEL E. CONNELLY, a citizen of the United States, residing at Cumberland, in the county of Allegany and State of Maryland, have invented certain new and useful Improvements in Toilets, of which the following is a specification.

As far as I am aware, no handy means has been provided whereby an engineer may answer a call of nature without leaving his post of duty.

It is therefore the object of my invention to provide a water-closet especially designed to be located within the engine-cab, and to which the engineer may have access without leaving his post of duty.

A further object of my invention is to provide a device of the above character, which is simple in construction, cheap to manufacture, and which will take up very little room.

My invention consists in the arrangement and combination of parts to be hereinafter described.

In the accompanying drawings, forming a part of this specification, and in which like numerals are used to designate like parts throughout the same, Figure 1 is an elevation of the inside of one side of an engine-cab, showing the engineer's seat equipped with my water-closet. Fig. 2 is a similar view of the side of a cab, showing a different form of seat used in connection with the water-closet. Fig. 3 is a detail section, showing the manner in which the lid fits upon the bowl of the water-closet. Fig. 4 is a plan view of the bowls, shown in Figs. 1 and 2. Fig. 5 is a detail sectional view showing the housing for the coil spring.

In the drawings illustrating a preferred embodiment of my invention, 1 designates a side of an engine-cab and within this cab is arranged a seat 2, upon which the engineer sits while driving his engine. The seat 2 is in the form of a rectangular box and is divided by the partition 3 into a tool chest 4 and a water-closet compartment 5. The tool chest 4 is closed by a removable lid 6, which is preferably covered with a cushion 7. The compartment 5 is also covered by a removable lid 8, which is provided with a cushion 9. It is to be understood that the covers 6 and 8 may be raised or removed independently of each other.

Within the compartment 5 is vertically

arranged the water-closet 10, which comprises a bowl or body portion 11, which tapers toward its lower end and terminates in a cylindrical discharge chute 12. The discharge chute 12 extends through the floor 13 of the cab as at 14, and ring-shaped plates 15 are disposed upon the upper and lower surfaces of the floor 13, these ring-shaped plates surrounding the chute 12 and are fixedly secured thereto by the means of solder or the like. The plates 15 may be fixedly secured to the floor 13 by any suitable means. The upper end of the bowl 11, is normally closed by means of a cover 16, which has its peripheral edge provided with a groove 17, whereby a portion of the cover 16, fits snugly within the upper end of the bowl 11, as illustrated in Fig. 3. The cover 16 is hinged as at 18, to a section of material 19, which is fixedly secured upon the upper end of the bowl 11. It is to be understood that the cover 16, forms a water tight joint with the section 19 and the bowl 11. It is also to be understood that the cover 16 fits sufficiently snug within the upper end of the bowl 11, as not to be elevated when about ten pounds of water pressure is introduced therein, as will be hereinafter explained. I may also provide means for holding the cover within the upper end of said bowl, if such is necessary. The lower end of the discharge chute 12, is normally closed by means of a cap 20, which snugly fits the chute 12, and is hinged thereto as at 21. The cap 20 is normally retained in its closed position, by means of a retractile coil spring 22 arranged within the housing 22', and spring 22 is connected to cap 20 as at 23, and to the inner surface of the chute 12 as at 24. A water supply pipe 25 provided with a check valve 25' communicates with the upper end of the bowl 11, and supplies water to said bowl at a desired pressure. The chute 12 may be externally screw threaded as at 26 for making connection with a suitable pipe to lead the contents of said bowl 11 to a desired spot.

In the use of the device as illustrated in Fig. 1, the engineer by removing the lid 8 and then by raising the lid 16, may gain access to the toilet. After the engineer has answered a call of nature the lid 16 is seated upon the upper end of the bowl 11. The cap 20 will retain the foul matter within the bowl, and water is then introduced into said bowl by manipulation of the check-

valve 25'. The strength of the spring 22 is to be such that the cap 20 will remain seated until the water pressure within the bowl 11 reaches about ten pounds, when said cap 20 will open and the contents of the bowl 11 will be discharged through the chute 12. The lid 16 remains seated during the unseating of cap 20. The water supply may then be turned off if desired.

10 In Fig. 2, I have dispensed with the seat 2, and employ in its place, a sliding seat 28 movably mounted upon one of the superposed horizontal rods 29, which are fixedly secured to the side 1. The seat 28 is connected to the lower rod 29 by means of a link 30. I also secure upon the screw-threaded portion of the chute 12, the enlarged end 31 of a delivery pipe 32. It is obvious that by sliding the seat 28 from 15 over the bowl 11, that access may be readily had to the same. The purpose of the delivery pipe 32, is to deposit the contents of the bowl 11 at a desired spot. The operation of

the rest of the device is precisely the same as described in connection with Fig. 1. 25

Having fully described my invention, what I claim is:

1. A water-closet, comprising a bowl, lids for normally closing the ends of said bowl, and one of said lids being more easily unseated than the other, by pressure within said bowl. 30

2. The combination with an engine cab, of means connected with the side of the same, a seat slidably mounted upon said means, and a water-closet bowl arranged below the seat, whereby an engineer may answer a call of nature without leaving his post of duty. 35

In testimony whereof I affix my signature 40 in presence of two witnesses.

MICHAEL E. CONNELLY.

Witnesses:

FRANCIS S. DEEKENS,
CARL F. SCHMUTZ.