

M. E. CONNELLY.
TOILET.
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987,112.

Patented Mar. 21, 1911.

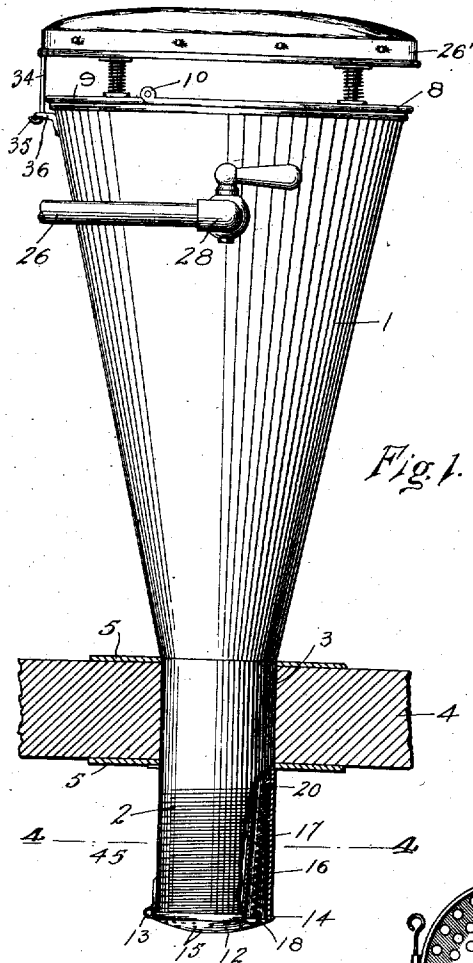


Fig. 1.

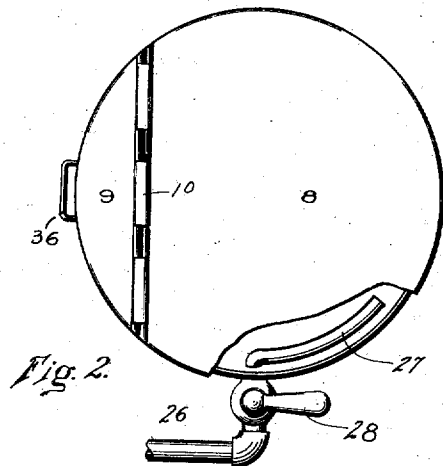


Fig. 2.

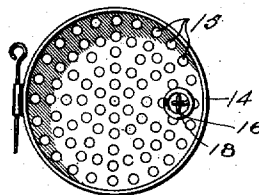


Fig. 3.

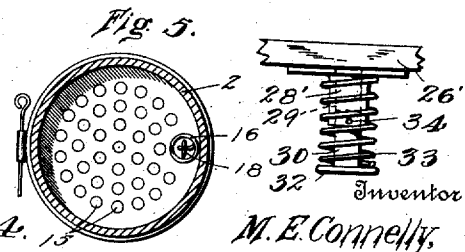


Fig. 4.

Fig. 5.

Witnesses

J. S. Freeman.
[Signature]

By

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UNITED STATES PATENT OFFICE.

MICHAEL E. CONNELLY, OF CUMBERLAND, MARYLAND.

TOILET.

987,112.

Specification of Letters Patent.

Patented Mar. 21, 1911.

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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 Alle-
gany and State of Maryland, have invented
certain new and useful Improvements in
Toilets, of which the following is a specifi-
cation.

My invention relates to water-closets, and
has for one of its objects the provision of a
device of the above character which is capa-
ble of discharging its contents in a manner
which is least objectionable.

A further object of my invention is to
provide a device of the above character em-
bodying means whereby the same may be
readily and securely attached to its sup-
port.

A further object of my invention is to pro-
vide a novel form of seat to be used in con-
nection with the water-closet.

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 a side view
of my device. Fig. 2 is a plan view of the
same with the seat removed. Fig. 3 is a
plan view of a cap employed upon my de-
vice. Fig. 4 is a section taken on line 4-4
of Fig. 1. Fig. 5 is a detail section of one
of the pins employed to support the seat
shown in Fig. 1.

In the drawings illustrating a preferred
embodiment of my invention, 1 designates a
bowl or body portion of the water-closet,
and this bowl tapering downwardly termi-
nates in a cylindrical discharge chute 2.
The discharge chute 2 is disposed within a
suitable opening 3 formed upon a support 4.
This support 4 may be the floor to an engine
cab. Upon the upper and lower sides of the
floor-support 4 are arranged ring-shaped
plates 5, which contain the discharge chute
2 and are fixedly secured thereto by means
of solder or the like. The plates 5 are also
fixedly secured to the floor-support 4 by any
suitable means.

The upper end of the bowl 1 is closed by
means of a cap 8, which is hinged to a fixed
section 9, as at 10. The lower end of the
discharge chute 2 is normally closed by
means of a cap 12, which is hinged thereto,

as at 13. The cap 12 is provided at its pe-
riphery with an annular flange 14, within
which the lower end of the discharge chute
2 snugly fits. The cap 12 is further pro-
vided with a plurality of small openings 15,
and said cap 12 is held in its normal seated
position by means of a retractile coil spring
16, which is disposed within a housing 17,
and connected to said cap 12 as at 18, and to
the chute 2 as at 20. The purpose of the
housing 17 is to prevent the spring 16 from
coming in contact with the contents of the
bowl 1. Water under suitable pressure is
conducted within the bowl 1 by means of a
supply pipe 26, the free end of which is dis-
posed within the bowl 1, as at 27. The sup-
ply pipe 26 is provided outside of the bowl
1 with a cut-off valve 28.

In order that my water-closet may be
used in place of a stool, as for instance if
the same were arranged within an engine
cab, I provide a removable seat 26, upon
which is arranged a cushion 27. The seat
26 carries upon its lower side a plurality
of fixed tubes 28, which are in turn pro-
vided with longitudinal slots 29. Within
the tubes 28 are slidably mounted shafts 30,
which carry pins 31 fixed thereto and dis-
posed within the slots 29. Each of the shafts
has its lower free end enlarged as at 32, and
around the shaft 30 and tube 28 is arranged
a compressible coil spring 33, which tends to
limit the longitudinal movement of said shaft
30. The shafts 30 are arranged upon the
lid 8 as illustrated in Fig. 1, whereby the
seat 26 is spring supported. To prevent the
displacement of the seat 26, said seat is pro-
vided with a hinge-leaf 34, which has its
free end bent or looped at 35; for detachable
engagement with a bracket 36, which is
fixedly secured upon the upper portion of
the bowl 1.

The discharge chute 2 may be externally
screw-threaded as at 45 for the connection
with a conveyer-pipe (not shown) for con-
ducting the contents of the bowl 1, to a de-
sired place.

In the use of my water-closet, the seat is
first removed and the lid 8 raised, after the
operator has answered a call of nature, the
lid 8 is closed and the cut-off valve is opened
to allow water to flow into the bowl 1. This
water will dissolve the foul matter within
said bowl, which will accordingly pass
through the perforated cap 12. By thus

dissolving the foul matter it is disposed of in a least disagreeable way. If sufficient water pressure is allowed to enter the bowl 1, the cap 12 will be unseated and the contents of the bowl 1 discharged through the chute 2 without passing through the apertures 15. It is preferred however, to force the contents of the bowl 1, through the perforated cap 12. If it is desired a pipe may be connected to the chute 2 and the contents of bowl 1 delivered to a desired location.

Having fully described my invention, what I claim is:

1. In a device of the character described, a bowl tapering in one direction to form a stationary discharge chute, a lid hinged to said stationary chute to normally close the same, a spring disposed normally entirely within said chute and having its ends secured to said chute and lid, and a housing

for said spring disposed within said stationary chute and partially closing the same.

2. In a device of the character described, a bowl tapering in one direction to form a stationary discharge chute, a lid provided with a plurality of perforations, hinged to said stationary chute to normally close the same, a spring disposed normally entirely within said chute and having its ends secured to said chute and lid, a housing for said spring disposed within said stationary chute and partially closing the same, and a cover for the upper end of said bowl.

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

MICHAEL E. CONNELLY.

Witnesses:

FRANCIS S. DEEKENS,
CARL F. SCHMUTZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
