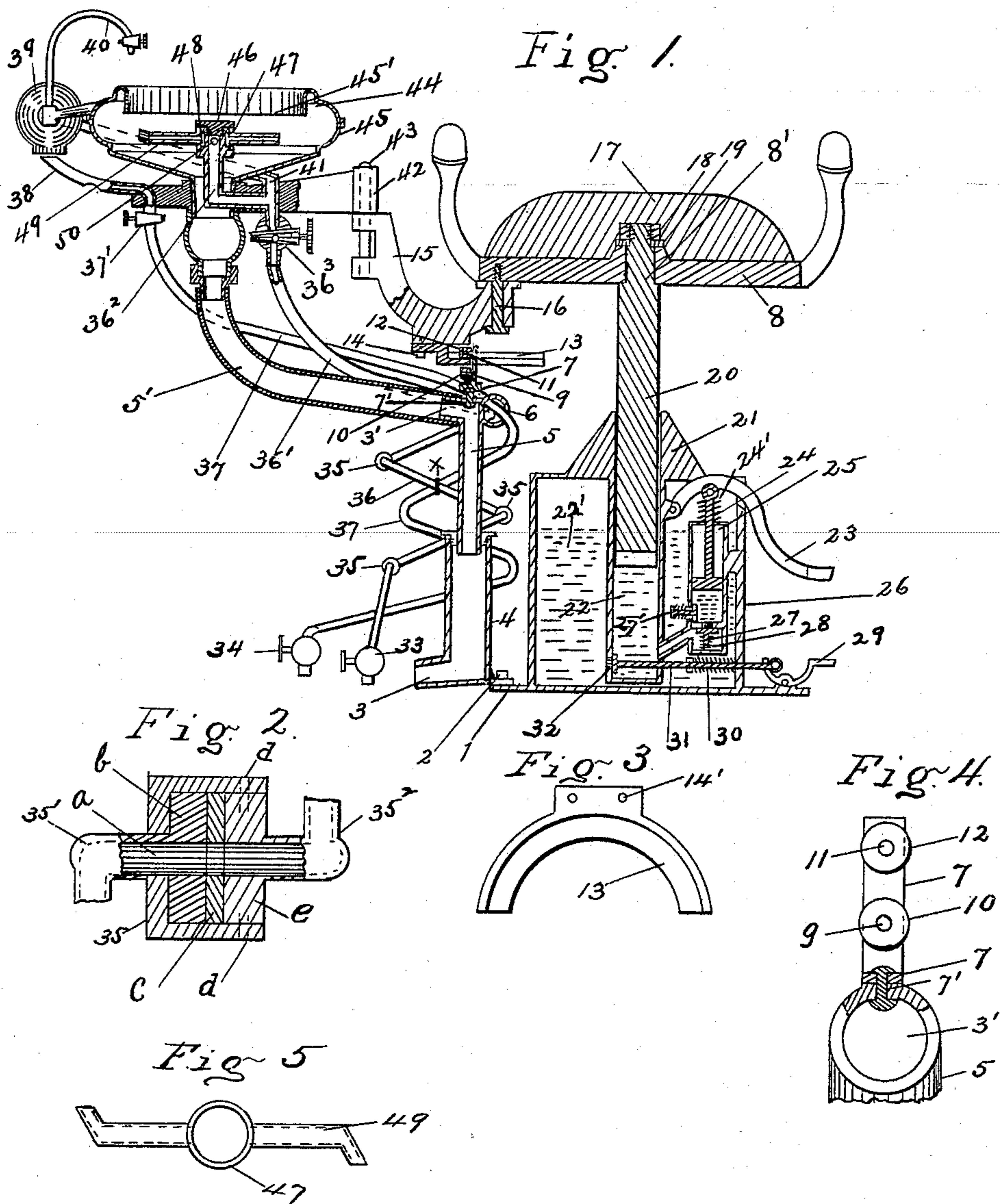


(No Model.)

A. ROSENBERG.
SPITTOON.

No. 604,218.

Patented May 17, 1898.



Witnesses
J. D. Wolf
E. H. Cook

Inventor
Albert Rosenberg

UNITED STATES PATENT OFFICE.

ALBERT ROSENBERG, OF BALTIMORE, MARYLAND.

SPITTOON.

SPECIFICATION forming part of Letters Patent No. 604,218, dated May 17, 1898.

Application filed May 8, 1897. Serial No. 635,720. (No model.)

To all whom it may concern:

Be it known that I, ALBERT ROSENBERG, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented new and useful Improvements in Spit-

5 toons, of which the following is a specification.
My invention relates to spittoons, and has for its objects, first, to provide a spittoon supported from a chair having a vertically-adjust-
10 able support and a rotatable seat, with a telescopic drain-pipe that will permit the spittoon to be rotated with the said chair-seat and the said chair-seat to be rotatable independently of said telescoping drain-pipe; secondly, to
15 provide the said rotatable seat with a means for raising (substantially a rail) the telescoping portion of said drain-pipe; thirdly, to provide the said drain-pipe with rollers to engage
20 a rail for raising said pipe; fourthly, to provide a novel construction of a basin that will prevent splashing when used in combination with a flushing-jet operating from the center of the basin. These objects I accomplish by
25 the features of construction and the combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a sectional view of my invention attached to a dentist's chair. Fig. 2 is a sectional
30 view of the joint for the metal portion or lazy-tongs part of the water-supply pipe. Fig. 3 is a plan view of the rail operating the telescoping drain-pipe. Fig. 4 is a front elevation of the rollers attached to the top of the
35 telescoping portion of the drain-pipe. Fig. 5 is a plan view of the revolving flushing-jets.

Similar characters refer to similar parts throughout the several views.

1 is the base of a dental chair, to which is
40 bolted the lower portion 4 of the drain-pipe by the bolt 2, its outlet 3 being attached to any pipe connecting with a drain, into which telescopes the upper or telescoping portion 5.
At the upper end of this telescoping portion
45 5 is rigidly secured a ring 6, through which passes the gas-supply pipe 37, and to this ring is also fastened one end of the lazy-tongs of the water-supply pipe 36. On top of this telescoping
50 portion 5 of the drain-pipe is pivotally secured the post 7 by the rivet 7', and to this post 7 are attached the rollers 10 and 12 with their respective spindles 9 and 11, each

of these rollers being on opposite sides of the rail 13, attached to the bracket 15 by the bolt 14, passing through the hole 14'. This bracket
55 15 is rigidly secured to the seat 8 of the chair by the bolt 16. This seat 8, together with its cushion 17, is rotatable around the pivot 8' on the top of the plunger 20 and is held in place by the washer 19 and the nut 18. This
60 plunger is square in shape and fits into a correspondingly-shaped cylinder 22, which is rigidly secured to the guides 21 and the reservoir 26, attached to the base 1 of the chair.

22' is the fluid used to operate the plunger
20 when it is desired to raise the chair-seat 8.

23 is a pedal-lever controlling the movements of the piston 24 in its cylinder 25. This piston 24 is held normally in position by its
70 spring 24'.

Two valves control the cylinder 25—the inlet-valve 27', held normally closed by its attendant spring, and the outlet-valve 27, held
normally closed by its spring 28. The cylinder 22 is also controlled by the valve 27. The
75 outlet 32 from cylinder 22 is controlled by the valve 31, held normally closed by its spring 30, which valve is operated by the pedal-lever 29.

33 is a cock to which may be attached any
80 water-supply pipe and to which is attached the metal folding pipe or lazy-tongs 36, provided with the hinge-joint 35. This joint 35 is comprised (see Fig. 2) of a cylinder 35, rigidly attached to the flange *e* of the pipe 35²
85 by pins *d*, and a gasket *c* between said flange and flange *b*, which is free to turn in said cylinder 35 and is attached to pipe 35'.

a is the passage through which the water
flows.

That portion of the water-supply pipe 36'
leading from the top of the telescoping drain to the cock 36³ is flexible.

41 is a T connection allowing the water to flow through the hollow post 36² and to the
95 boiler 39.

The flushing device consists of the hollow post 36², having one or more holes 50, leading to an annular groove 48 around said hollow post 36², on which revolves the boss 47, at-
100 tached to the wing-tubes or flushing-jets 49. This boss 47 is held on the hollow post 36² by the plug 46.

The gas-cock 34 may be attached to any

service-pipe and is attached to the flexible fuel-supply pipe 37, which fuel-supply pipe 37, after making several loops and being fastened by the band α to the lazy-tongs 36, passes through the ring 6 near the top of the telescoping drain 5 to the cock 37', attached to the Bunsen burner 38.

40 is the faucet leading from the boiler 39.

My improved bowl 45 to prevent splashing consists in providing the interior surface with an annular concave portion or offset 44, contracting the opening or mouth, and a flange 45', projecting downwardly toward the bottom of the bowl 45, whereby the water thrown against the sides by the flushing-jets 49 will splash against the said flange 45' and then drop into the bowl. From the base of the bowl 45 leads the flexible waste-pipe 5', attached to the inlet 3' of the telescoping portion 5 of the drain. This bowl and its flexible pipes are supported by the bracket 42, pivoted by the pin 43 to the bracket 15.

It will be seen that when the seat 8 is rotated it will carry with it the rail 13, attached to the bracket 15, while the telescopic portion 5, as well as the entire metal drain, remains stationary with the base 1 of the chair, the rollers 10 and 12 allowing freedom and easy motion of the rail 13, the purpose of this rail 13 being to raise the telescoping portion 5 of the drain when the chair-seat 8 is raised, as well as to unfold the supply-pipes 36 and 37. To raise the chair-seat 8, pedal-lever 23 is depressed, forcing down the piston 24 in the cylinder 25, causing the fluid to flow through the port controlled by valve 27 into the cylinder 22, forcing upward the plunger 20, connected to seat 8. To lower the seat 8, the pedal-lever 29 is depressed, forcing the valve 31 away from its port 32, when the weight of the chair-

seat 8 will force the fluid out of the cylinder 22 back into the reservoir 26.

I am aware that it is common to employ a metallic folding pipe all the parts of which are rotatably mounted in the base of the chair. (See Ritter, January 14, 1896, No. 553,042.)

Having described my invention, what I claim is—

1. In a chair, the combination with a bowl and a telescoping drain-pipe therefor; of a vertically - adjustable support, and a seat therefor rotatable independently of the said telescoping drain-pipe; suitable pipe connecting the bowl with the said telescoping drain-pipe; and means for adjusting the support and the telescoping drain-pipe vertically, substantially as described.

2. The combination with a bowl, suitable pipe therefor and an adjustable rotatable support; of a rail attached to the rotatable portion of said support and engaging said pipe, substantially as described.

3. The combination with a bowl, suitable pipe therefor and an adjustable rotatable support, a rail attached to the rotatable portion of said support; of rollers attached to said pipe and engaged by said rail, substantially as described.

4. In a spittoon, the combination with a revolving flushing-jet of a bowl having a contracted opening or mouth, and a flange extending downwardly toward the bottom of said bowl, substantially as described.

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

ALBERT ROSENBERG.

Witnesses:

J. D. WOLF,

HARRY E. AULD.