

(No Model.)

2 Sheets—Sheet 1.

A. ROSENBERG.
SPITTOON.

No. 559,404.

Patented May 5, 1896.

Fig. 1.

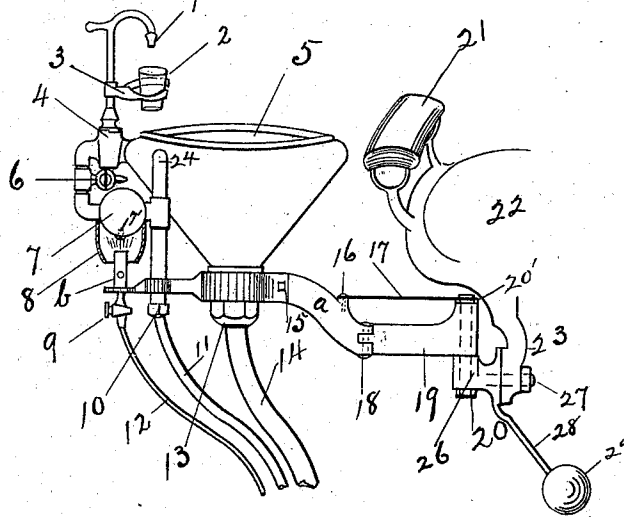


Fig. 2.

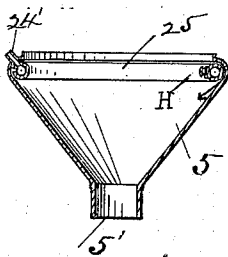


Fig. 3.

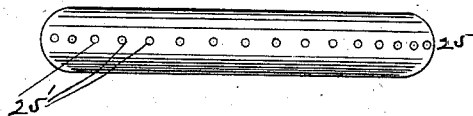
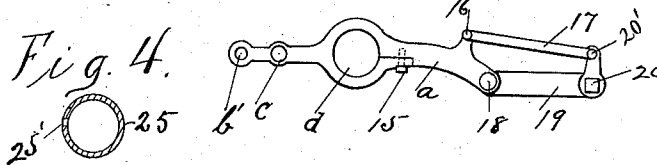


Fig. 5.

Fig. 4.



WITNESSES:
Royal R. Duncan
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INVENTOR
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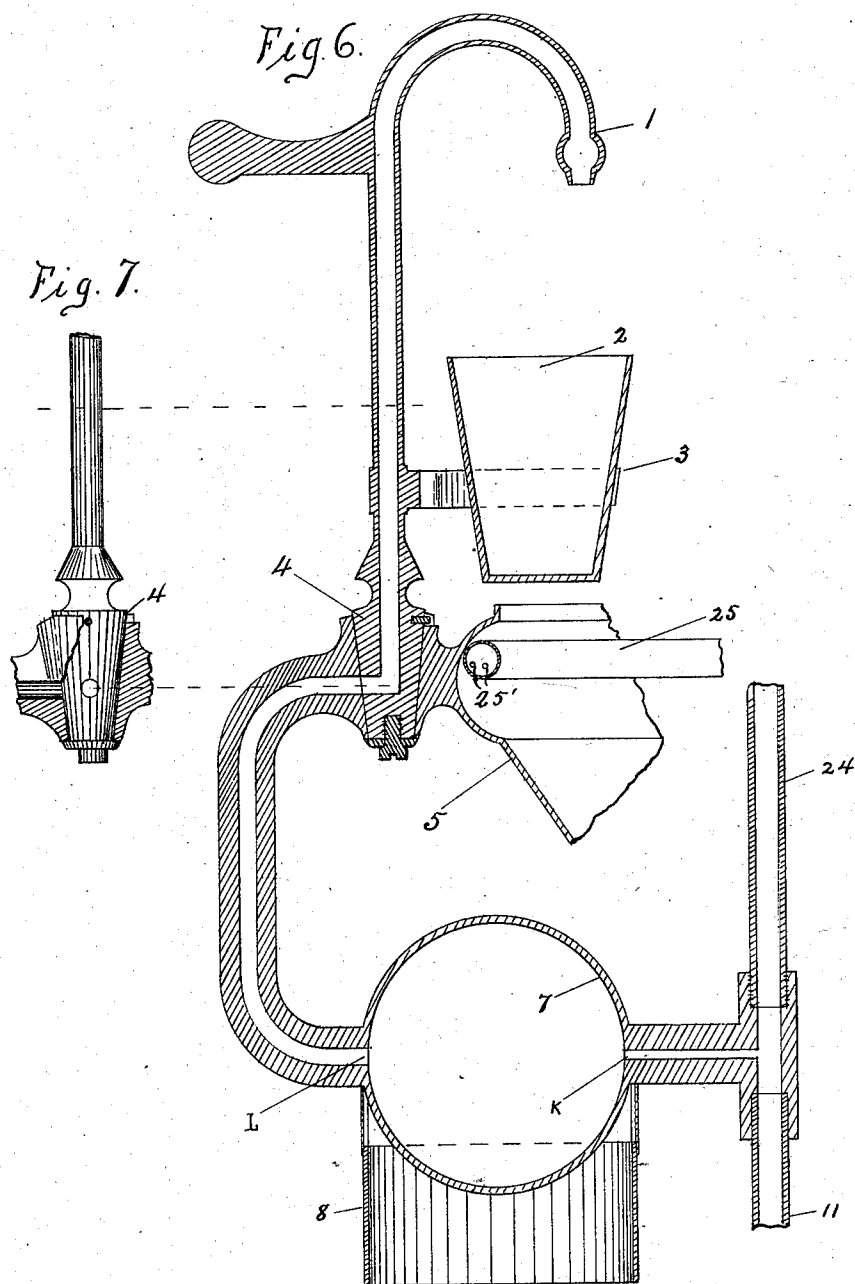
(No Model.)

2 Sheets—Sheet 2.

A. ROSENBERG.
SPITTOON.

No. 559,404.

Patented May 5, 1896.



WITNESSES:

Jennie D. Wolf
Maurice Legg

INVENTOR

Albert Rosenberg

UNITED STATES PATENT OFFICE.

ALBERT ROSENBERG, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-
THIRD TO CLARENCE J. GRIEVES, OF SAME PLACE.

SPITTOON.

SPECIFICATION forming part of Letters Patent No. 559,404, dated May 5, 1896.

Application filed August 20, 1895. Serial No. 559,967. (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 Spittoons, of which the following is a specification.

My invention relates to improvements in spittoons to which are attached the service-pipes from water-mains, and has for its objects, first, to provide a new and improved spittoon that will be self-cleansing; secondly, to provide an adjustable basin and boiler with faucet and heating means; thirdly, to provide a novel bracket to support the spittoon when applied to a dentist's chair; fourthly, to provide a novel faucet for drawing the water with which to rinse out the mouth. These objects I accomplish by the features of construction and the combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, illustrating my invention, in which—

Figure 1 is a perspective view of my improved spittoon attached to a dentist's chair. Fig. 2 is a vertical section of the spittoon, showing the means for washing out the bowl. Fig. 3 is a view of the perforated pipe used for cleansing the spittoon. Fig. 4 is a cross-section of same. Fig. 5 is a plan view of a portion of the bracket that supports the spittoon on a dentist's chair. Fig. 6 is an enlarged sectional view of the faucet, its valve, and reservoir with pipe connections. Fig. 7 is an enlarged view of the valve closed with a portion of the cock cut away.

Similar numerals and letters refer to similar parts throughout the several views.

1 is my improved faucet, to the nozzle of which is rigidly attached the spring goblet-holder 3, that carries any-sized goblet 2, so arranged that the goblet may always be under the mouth of the faucet.

4 is a cock, the valve of which is also rigidly attached to the nozzle of the faucet to permit the nozzle to be used as a means for operating the faucet, and thus when the cock is turned off the nozzle will carry the goblet-holder with it out of way of the mouth of the

bowl to prevent expectorations getting on the nozzle, goblet-holder, or goblet.

5 is the bowl.

6 is the auxiliary cock.

7 is a boiler in which to heat the water that flows through the faucet.

8 is a shield around the boiler to protect the clothing from the flame of the Bunsen burner *b*.

9 is a gas-cock that supplies fuel to the Bunsen burner.

10 is the water-service-pipe connection.

11 is the water-service pipe.

12 is the gas or fuel service pipe.

13 is the waste-flow connection.

14 is the waste-flow pipe.

15 is a set-screw for fastening the bracket *a* to the bowl 5.

16 is a pivot by which the parallel arm 17 is hinged to the bracket *a*.

18 is a pivot by which the bracket *a* is hinged to the arm 19.

20 is a pivot by which the arm 19 is attached to the swivel 26. This pivot 20 may be rigid in the swivel 26, and the parallel arm 17 is also pivoted in the arm 20', which is rigid with the swivel 26. It will thus be seen that when the bracket is moved back and forth it will be kept always at a uniform distance from the chair.

21 is the arm-rest of a dental chair.

22 is the seat of a dental chair.

23 is a lug rigid on the dental chair.

The swivel 26 is free to turn on its pivot 27, and to it is attached the pendulum-balance 29 by the rod 28, which serves to balance the weight of the bowl and bracket on the swivel and also to retain the bowl in a horizontal position when the chair is tilted.

24 (see Fig. 6) is the connection from the service water-pipe to the perforated pipe 25 at the point 24'. (See Fig. 2.)

25' are the perforations in the pipe 25.

5' is the waste-opening from the bowl 5.

In Fig. 5, *b'* is the opening in the bracket *a*, through which the gas-supply pipe passes to the Bunsen burner *b*. *C* is the opening for the water-supply pipe to pass to the boiler

and the bowl. These openings serve also to support the said feed-pipes. *d* is the means for supporting the bowl and the waste-pipe 14.

In Fig. 6, K is the inlet to the reservoir, 5 and L is the outlet to the faucet.

It will be seen in Fig. 2 that when water flows to the spittoon it will pass into the perforated tube 25 at the point 24' and passes out at the perforations or openings 25' in tube 25, striking the side of the bowl 5, as indicated by the arrow, and then flows down its sides in one continuous sheet, carrying the saliva with it out at the waste-flow 5. It will be seen also that the perforated tube encircles the interior of the bowl with the perforations or vents at certain distances apart along the entire tube, so that the jets of water will spread out into one continuous sheet over the interior of the bowl; but I do not limit myself to the use of perforations in the circular tube, as it may be desirable to use a tube slotted along its length. This tube is protected from expectoration by the roll-rim of the spittoon, so that no saliva will adhere to it. For sanitary reasons this is very essential.

I may apply these means for automatically cleaning washstand-bowls and bath-tubs. To the faucet 1 is rigidly attached the universal goblet-holder 3, so that when the faucet is turned it always has the goblet directly under the nozzle. The goblet-holder 3 is made of two spring-straps that will expand to hold any-sized goblet. I do not limit myself to the particular form of boiler illustrated, but may use a coil of tubing or other means of creating a large heating-surface.

It will be seen in Fig. 1 that I provide a screw-plug 7' for flushing or cleansing the boiler 7 and in Fig. 2 a screw-plug H for cleansing the circular tube 25, so when these parts become clogged with sediment occasioned by long usage the said plugs may be readily removed, and the water, forcing its way through the plug-holes, will carry the sediment with it.

It will be seen that the inlet K to the boiler 7 is always open, and as soon as the pressure of the steam generated in the boiler 7 exceeds the pressure of water flowing through the service-pipe 11 the steam will force its way out through the inlet K to the flushing-tube 25 by way of the pipe 24.

I am aware that prior to my invention fountain-spittoons have been in use in which a means is employed to automatically cleanse the spittoon, but this I do not broadly claim.

It will be seen that both the water-supply pipe and the waste-pipe connected to the spittoon are flexible, and also the fuel-supply pipe 12, which supplies gas to the Bunsen burner *b*, is flexible.

I am aware that prior to my invention spittoons with flexible water-supply pipe and waste-pipe have been used before, and this I do not claim.

I am aware that it is common to employ a boiler and heating means in connection with a stationary washstand and water-supply pipes, but this I do not broadly claim.

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

1. The combination of an adjustable support, a faucet and suitable supply-pipe therefor, with a boiler and suitable heating device therefor; substantially as described.

2. The combination of an adjustable support, a faucet and suitable supply-pipe therefor, a bowl and suitable waste-pipe, with a boiler, and suitable heating device therefor; substantially as described.

3. In combination with a flushing-spittoon, a faucet, the nozzle of which is rigid in the valve of its cock and turns with it to operate the cock, and a goblet-holder attached to said nozzle so that when the faucet is turned off it will carry the goblet with it out of way of the mouth of the spittoon to prevent expectorations getting on the goblet or its holder; substantially as described.

4. The combination of a flushing-spittoon and a supporting-bracket *a*, free to turn horizontally upon a pivot 20, the pivot 20 rigid with and turning with the swivel 26, the swivel 26, pivoted by a pin 27; the pin 27 supported by a lug 23 rigid with a chair and a weight 29 attached by suitable means to the swivel 26 to retain the pivot 20 in a vertical line, substantially as described.

5. In combination with a spittoon, a bracket *a*, the pivot 18, the arm 19, the pivot 20 rigid in a support 26, the arm 17 pivoted at one end in the bracket *a* and to the arm 20', the arm 20' rigid with the pivot 20, to keep the spittoon always at a uniform distance from the chair, substantially as described.

6. The combination of a faucet and supply-pipe therefor, a boiler and heating device with a flexible fuel-supply pipe therefor and means for supporting and adjusting same to various positions; substantially as described.

7. The combination of a bowl and waste-pipe therefor, a faucet and supply-pipe therefor, and a boiler and heating device with a flexible fuel-supply pipe therefor, and means for supporting and adjusting same; substantially as described.

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

ALBERT ROSENBERG.

Witnesses:

JENNIE D. WOLF,
SOPHIE WOLF.