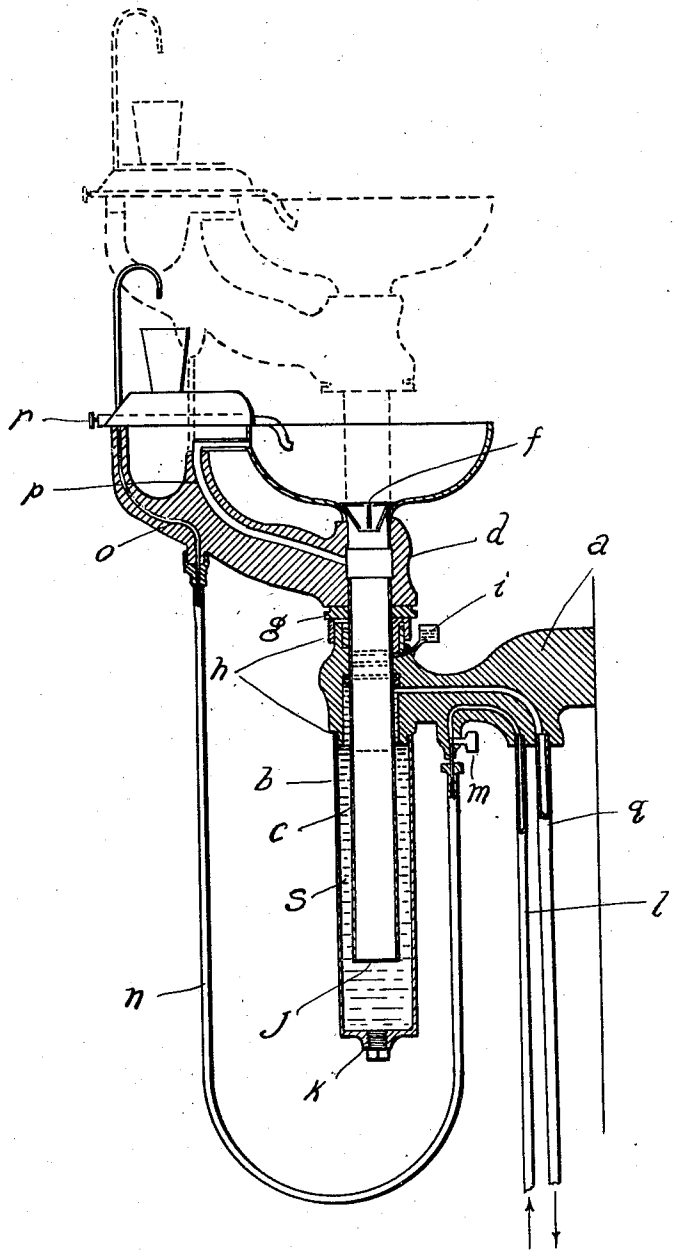
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SPITTOON OF VARIABLE HEIGHT FIT FOR DENTISTS OR PHYSICIANS

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SPITTOON OF VARIABLE HEIGHT FIT FOR DENTISTS OR PHYSICIANS

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This invention relates to improvements in spittoons of the type constituting part of the equipment of a dentist's chair.

The invention has for its primary object to provide a spittoon including such structural features as will assure maintenance in a clean and sanitary condition and which permit of such vertical adjustment thereof as to adapt it for convenient use within the range of the vertical adjustment of the dental chair.

A further object of the invention is the provision of the spittoon of the vertically adjustable type which may be conveniently moved to various positions of adjustment and which, throughout such various positions, will ensure the continual and effective disposal of deposits.

In the accompanying drawing wherein an approved embodiment of the invention is illustrated, the figure represents a vertical sectional view of the improved spittoon.

Referring to the drawing in detail, the letter *a* represents a bracket which may be mounted upon a pedestal, dental chair or other support suitable for the purpose. The terminal of the bracket *a* is formed with a vertical bore and presents a depending flange on which is removably fitted the depending water trap or receptacle *b* provided at its lower terminal with an aperture normally closed by a removable screw plug *k*.

The trap *b* is in communication with and receives the lower terminal of the discharge pipe *c* which is slidably and rotatably fitted in the vertical bore of the bracket *a* and is rigidly secured at its upper terminal to a supporting arm *d*, the latter being adapted to turn with the pipe *c* in the vertical bore of the bracket *a* so that its position may be varied to suit the convenience of the occupant of the dental chair. The arm *d* and pipe *c* may also be moved vertically with respect to the bracket *a* to vary the elevation of the spittoon bowl *e* which is mounted upon the arm *d* and is in communication with the discharge pipe *c*, a suitable strainer *f* being provided at the discharge end of the bowl *e* to prevent the entrance of relatively large solid substances into the discharge pipe *c* and trap *b*.

At the upper and lower terminals of the vertical bore in the bracket *a* there are arranged packing glands *h* which snugly fit about the pipe *c* so as to provide a fluid tight joint preventing its leakage of liquid passing through the discharge pipe and a resilient shock absorbing gasket *g* is fitted upon the pipe *c* intermediate the arm *d* and bracket *a* so as to prevent injury to the rapid descending movement of the arm *d* and spittoon bowl. A lubricant reservoir *i* is supported upon the arm *a* and communicates through a series of passages with the space between the bracket and the discharge pipe *c* so as to maintain the latter in a lubricated condition to ensure convenience of adjustment of the spittoon and also to assist in the prevention of leakage.

The interior *s* of the trap *b* is in communication with a drain pipe *q* communicating with a port in the bracket *a*, while the water or other liquid for use in flushing the spittoon bowl *e* is supplied by a pipe *l* fitted in the bracket *a* and communicating with the flexible supply tube *n* through a valve *m*. The opposite terminal of the flexible tube *n* is in communication with a passage *o* communicating with the usual spout or fountain pipe by which water is discharged into a cup or receptacle in a tray mounted alongside of the bowl *e*, an additional valve *r* being provided for controlling the discharge of water from the spout.

The upper part of the bowl *e* is in communication with an overflow passage *p* provided in the arm *d* and communicating with the pipe *c* so as to prevent the liquid from overflowing the spittoon bowl *e* in the event that the passage through the screen or strainer *f* is temporarily closed by an obstruction.

From the foregoing it is clearly evident that the improved spittoon, due to the mounting of the pipe *c* in the bracket *a* is capable of adjustment in the vertical direction, as well as angular adjustment about the vertical axis passing from the discharge pipe *c*, and that under all conditions of adjustment the continual and effective discharge of liquid deposited in the bowl *e* is assured.

What I claim is:

1. A device of the character described including a supporting bracket having a vertical bore in one terminal, a trap depending from the bracket and communicating with the bore, a discharge pipe movable axially and rotatably in said bore and extending into said trap, an arm carried by the upper terminal of said pipe, a spittoon bowl supported on said arm and communicating with said pipe, said bowl and arm being rotatable and movable axially with said pipe.

2. A device of the character described including a supporting bracket having a vertical bore in one terminal, a trap depending from the arm and communicating with the bore, a discharge pipe movable axially and rotatably in said bore and extending into said trap, an arm carried by the upper terminal of said pipe, a spittoon bowl supported on said arm and communicating with said pipe, said bowl and arm being rotatable and movable axially with said pipe, and a shock absorbing element interposed between the arm and bracket.

3. A device of the character described including a supporting bracket having a vertical bore in one terminal, a trap depending from the arm and communicating with the bore, a discharge pipe movable axially and rotatably in said bore and extending into said trap, an arm carried by the upper terminal of said pipe, a spittoon bowl supported on said arm and communicating with said pipe, said bowl and arm being rotatable and movable axially with said pipe, spaced packing glands in the bracket and surrounding the discharge pipe, and means for conducting lubricant to the discharge pipe at a point between said glands.

4. A device of the character described including a supporting bracket having a vertical bore in one terminal, a trap depending from the arm and communicating with the bore, a discharge pipe movable axially and rotatably in said bore and extending into said trap, an arm carried by the upper terminal of said pipe, a spittoon bowl supported on said arm and communicating with said pipe, said bowl and arm being rotatable and movable axially with said pipe, and a drain pipe communicating with the bracket and with the trap.

5. A device of the character described including a supporting bracket, a liquid trap supported by the bracket, a drain conduit communicating with the upper part of the trap, a vertically movable discharge pipe guided in and communicating at its lower end with the trap, and a spittoon arranged above the discharge pipe and communicating therewith.

In testimony whereof I affix my signature.

LUIS WURLOD.