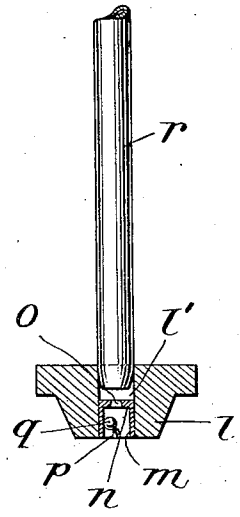
No. 879,594. PATENTED FEB. 18, 1908.

J. E. SIMPSON.

PIPE CLEANSER.

APPLICATION FILED NOV. 30, 1906.



Witnesses:

Millicent J. Rider

Jane Kemp

Inventor:

James E. Simpson

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES E. SIMPSON, OF BROOKLYN, NEW YORK.

PIPE-CLEANSER.

No. 879,594. Specification of Letters Patent. Patented Feb. 18, 1908.

Application filed November 30, 1906. Serial No. 345,613.

To all whom it may concern:

Be it known that I, JAMES E. SIMPSON, a citizen of the United States of America, and a resident of the borough of Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Pipe-Cleansers, of which the following is a specification.

This invention relates to means for cleansing the stems of tobacco pipes, and it comprises a stopper adapted to close the bowl, which contains burning tobacco, and a valved orifice in said stopper through which the smoker may blow to eject the smoke at the stem end. The heat generated in this manner serves to liquefy the tar of tobacco in the bowl and stem, and the pressure of air carries it out through the stem with the smoke. The use of a valve is necessary to avoid the effects of an incautious indraft while using the cleanser, which might fill the mouth with the hot smoke heavily charged with the liquefied deposits.

In the drawing accompanying this application, the figure is a side view of the device, partly in section and partly in elevation.

My cleansing device consists of a circular plug of wood or other suitable material as *l*, adapted to fit snugly in the mouth of a pipe-bowl. Said plug is provided with a central passage *l'* extending therethrough, in which is fitted a tubular member *m*, one end of said memeber *m* being contracted, as at *n*, leaving a small orifice *o*, while the opposite end of said member *m* is left open, but guarded by a transverse wire or pin *p*. A ball, as *q*, is placed within said member *m* and is confined therein by means of said contracted orifice *o* and said wire or pin *p*. A hollow stem, as *r*, is adapted to fit within the passage *l'* for the introduction of air thereto.

When the plug *l* is fitted to a pipe bowl, the operator desiring to cleanse the pipe may blow through stem *r*, the air thus introduced passing through the passage *l'* and through member *m* into the pipe. But when the operator inadvertently creates a suction through said stem, the ball *q* is thereby drawn against the small orifice *o*, closing the latter and preventing the fluid or other matter from passing into his mouth.

I claim:—

A cleansing device for tobacco pipes comprising a plug adapted to fit removably in the mouth of a pipe bowl, said plug having a passage therethrough, a valve casing within said passage having its outer end contracted to leave a small orifice and guard means adjacent its inner end, a check valve confined between said guard means and contracted end, the latter forming a seat for said valve, and a hollow stem adapted to fit within the outer portion of said passage.

Signed at Brooklyn, this 16th day of April, 1906.

JAMES E. SIMPSON.

Witnesses:

FREDERICK C. BONNY,

F. W. BARKER.