Feb. 6, 1940. J. L. YOUNGHUSBAND 2,189,556

PIPE CLEANER

Filed Sept. 27, 1938

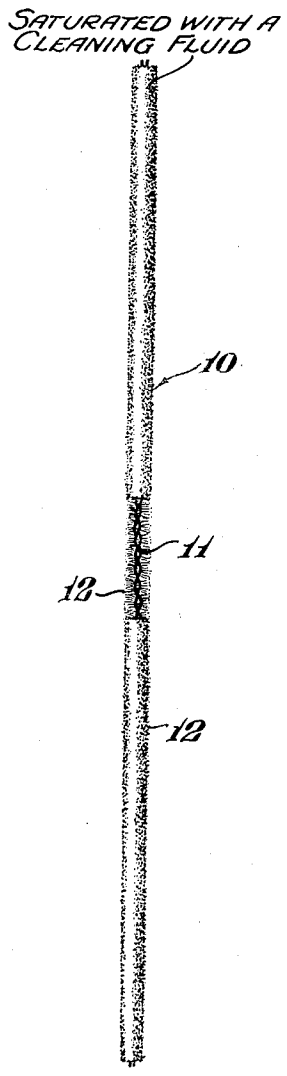


Fig. 1.

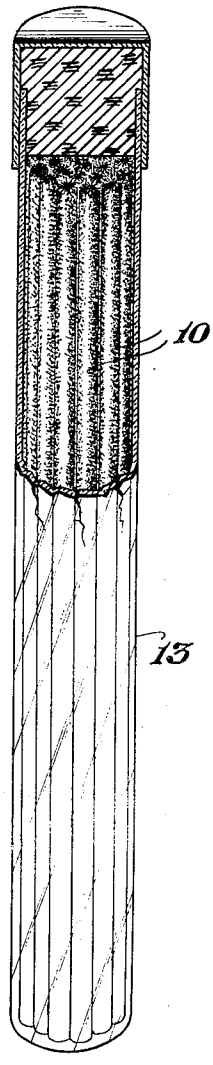


Fig. 2.

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PIPE CLEANER

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1 Claim. (Cl. 131—245)

Among the objects of this invention is to provide a pipe cleaner impregnated with a solvent adapted to dissolve foreign matter and residue in a pipe, said pipe cleaner available for immediate use and adapted to more thoroughly and quickly clean a pipe than heretofore, and such other objects, advantages and capabilities as will later more fully appear which are inherently possessed by my invention.

While I have shown preferred embodiments herein of my invention, yet I wish it understood that the same are susceptible of modification and change without departing from the spirit of my invention.

Referring to the drawing Fig. 1 is a front elevation of a preferred embodiment of my pipe cleaner, and Fig. 2 is a perspective view of my pipe cleaner within its sealed container.

Referring more particularly to the embodiment selected to illustrate my invention it comprises a pipe cleaner 10 preferably formed with a pliable metal member 11 such as a spindle or length of wire or the like. Attached to member 11 and extending through at its length are tufts 12 of fabric or other material adapted to absorb liquid. These tufts are impregnated or saturated with a liquid solvent solution. My solvent solution may be a mixture of water and alcohol or ethyl ether of ethylene glycol or ethyl ether of diethylene glycol or any ester or ether of monohydric or polyhydric alcohols. While I have indicated the foregoing as illustrative solvents yet I do not desire to limit myself to the same but consider any solvent a part of my invention which can be used to saturate or impregnate the pipe cleaners and which will dissolve organic residue when inserted into a pipe and which after withdrawal from the pipe will leave substantially no residue of its own and will leave either a pleasant taste to the pipe or not noticeable taste at all.

After my pipe cleaners have been impregnated with the liquid solvent they are packed in a container 13 and sealed to prevent evaporation.

In use a user breaks the seal on the container and takes a solvent saturated cleaner, which is at its full and original working efficiency. This cleaner is then inserted into the pipe, and left a reasonable time. The solvent dissolves the burnt tobacco and other residue and foreign matter from the walls and pores of the pipe and deposits the same on the tufts of the cleaner. Upon the withdrawal of the cleaner the foreign matter carried by the cleaner is also withdrawn and leaves the pipe substantially as sweet and clean as it was when new and unused.

Having thus described my invention, I claim:

In combination with one or more pipe cleaners, a container adapted to hold therein said pipe cleaners, said pipe cleaners comprising tufts of absorbent material impregnated with cleaning solution for dissolving organic residue in the bore of a pipe, a closure for said container, the container, closure and tufts being so constructed and being the only means to retain the cleaning solution in liquid form on the tufts until the pipe cleaners are removed from the container and for an appreciable time thereafter, so as to permit the cleaning solution to perform its function within the pipe bore.

JAMES L. YOUNGHUSBAND.