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N. F. MILLER

2,134,197

SMOKING PIPE

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Fig. 1.

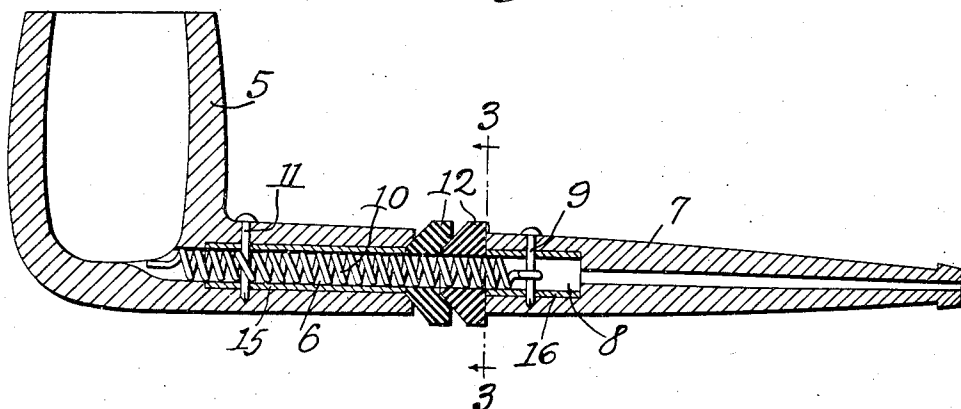


Fig. 2.

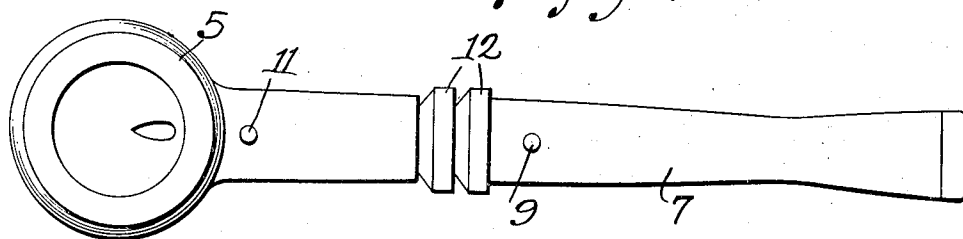
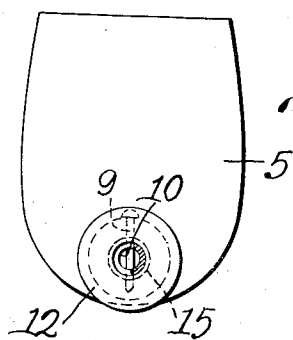


Fig. 3.



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SMOKING PIPE

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2 Claims. (Cl. 131-225)

This invention relates to smoking pipes, the primary object of the invention being to provide means for connecting the stem to the bowl of the pipe, in such a way that the stem may flex with respect to the bowl, thereby insuring against the stem becoming broken when pressure is exerted at either end of the pipe, or at the point of connection between the stem and bowl.

Another important object of the invention is to provide means for insuring an air-tight connection between the stem and bowl of the pipe, the means also acting to prevent loss of the pipe from the pocket of the user.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein described, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a longitudinal sectional view through a pipe constructed in accordance with the invention.

Figure 2 is a plan view thereof.

Figure 3 is a sectional view taken on line 3-3 of Figure 1.

Referring to the drawing in detail, the reference character 5 designates the bowl of a smoking pipe, which is provided with the usual bore 6, in which the metal tube 15 is positioned.

The reference character 7 designates the stem of the pipe, which is provided with the usual bore 8, through which smoke is drawn through the stem. Metal tube 16 is positioned in the bore 8, the tubes 15 and 16 providing the lining for the bore of the pipe.

The reference character 9 designates a pin which extends through the stem, and to which one end of the coiled spring 10 is connected, the coiled spring 10 being of a length to extend to a point adjacent to the bottom of the bowl of the pipe, as clearly shown by Figure 1 of the drawing.

A pin indicated by the reference character 11, extends through the extension of the bowl 5, and is adapted to cooperate with the coiled spring 10,

when the pipe stem is rotated in positioning the pipe stem in the bowl. It will be seen that due to this construction, as the stem is rotated, the convolutions of the spring contacting with the pin 11, will act to draw the stem towards the bowl, or move the stem away from the bowl, according to the direction of rotation of the stem.

In the construction of the pipe, the pipe is formed in such a way that the inner end of the stem 7 will lie in spaced relation with the end of the extension of the bowl 5, the space between the end of the stem 7 and extension of the bowl 5 being filled by the washers 12, the washers being tapered, so that the washer nearest to the extension of the bowl 5, will fit into the end of the bore of the extension, and the extension of the adjacent washer will fit into the tapered opening of the cooperating washer, insuring an air-tight connection between the stem and bowl of the pipe.

From the foregoing it will be seen that due to the construction shown and described, the stem of the pipe may bend laterally without danger of breaking the stem from the bowl of the pipe.

It will further be seen that by rotating the stem in one direction, the coiled spring may be fed over the pin 11, in such a way as to permit the stem 7 to be disconnected from the bowl to facilitate cleaning.

Having thus described the invention, what is claimed is:

1. A smoker's pipe comprising a bowl section and a stem section, said sections having bores, tapered washers fitted together, the tapered end of one washer extending into the bore of the pipe section, and yieldable means connecting the sections.

2. A smoker's pipe comprising a bowl section and a stem section having bores, washers between the sections holding the sections spaced apart, a coiled spring secured within the bore of one section, a pin extending through the bore of the adjacent section, said coiled spring adapted to engage the pin, yieldably connecting the sections, and said coiled spring adapted to draw the sections together when one section is rotated with respect to the adjacent section, in a predetermined direction.

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