

No. 652,857.

A. MCINTYRE.
TOBACCO PIPE.

Patented July 3, 1900.

(No Model.)

(Application filed Aug. 4, 1899.)

Fig. 1.

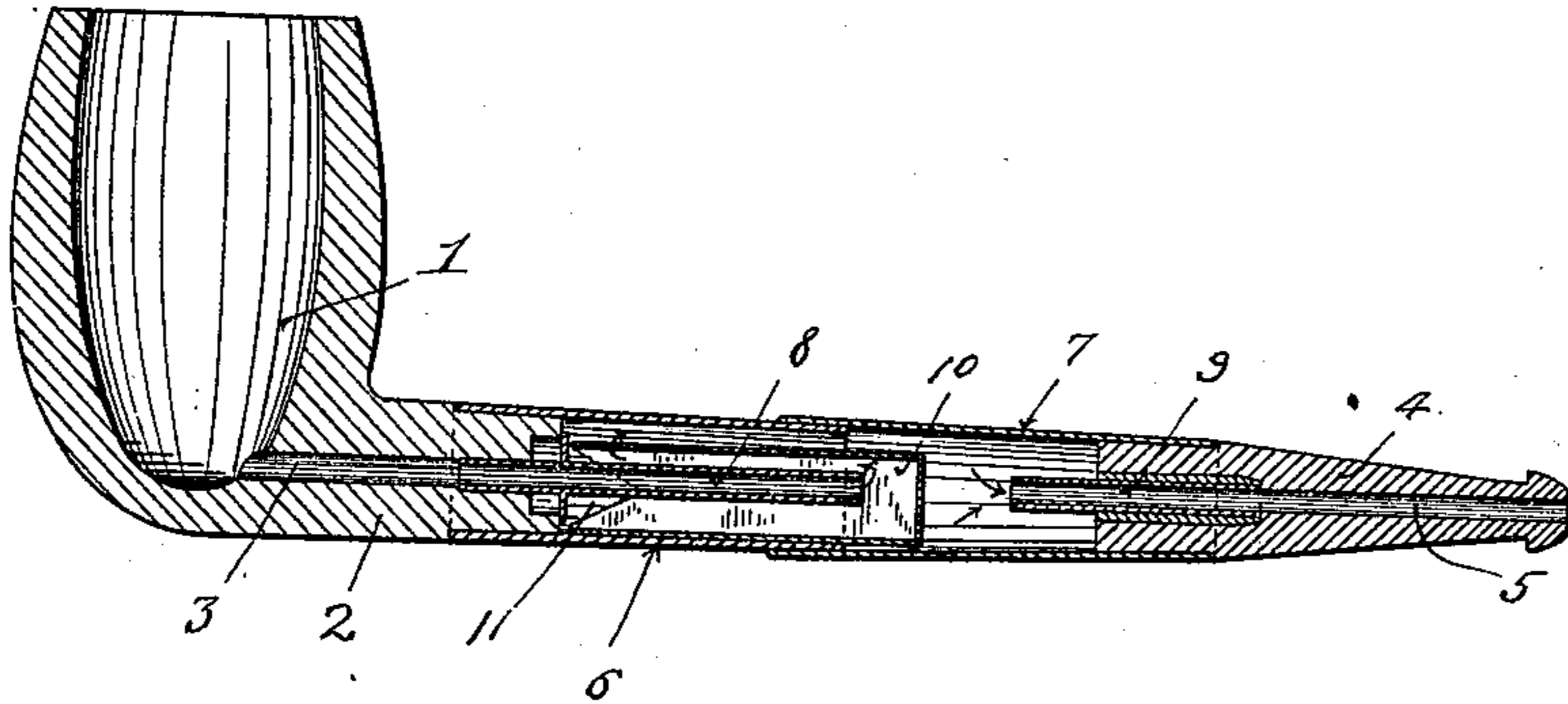


Fig. 2.

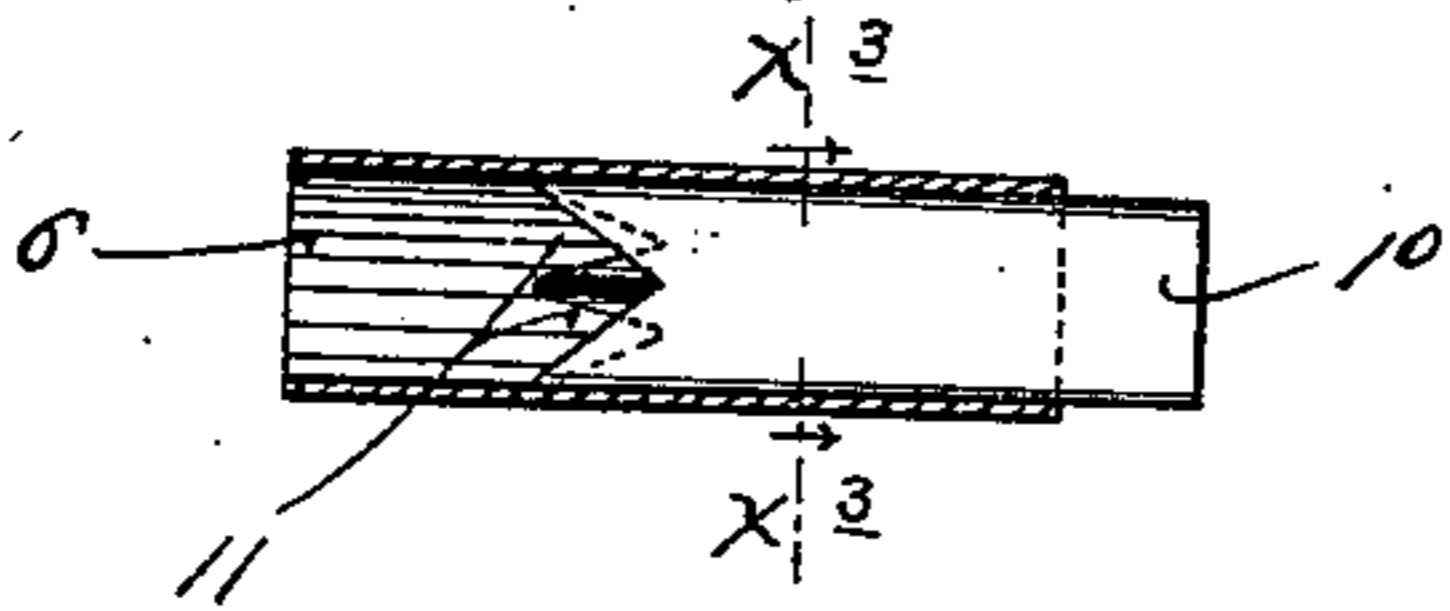


Fig. 3.



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UNITED STATES PATENT OFFICE.

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TOBACCO-PIPE.

SPECIFICATION forming part of Letters Patent No. 652,857, dated July 3, 1900.

Application filed August 4, 1899. Serial No. 726,083. (No model.)

To all whom it may concern:

Be it known that I, ANGUS MCINTYRE, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Tobacco-Pipes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to tobacco-pipes, and has for its object to improve the same in the several particulars hereinafter noted.

To the above ends the invention consists of the novel devices and combination of devices hereinafter described, and defined in the claim.

The invention is illustrated in the accompanying drawings, wherein like numerals indicate like parts throughout the several views.

Figure 1 is a vertical section taken centrally and longitudinally through a pipe constructed in accordance with my invention. Fig. 2 is a detail, partly in plan and partly in horizontal section, showing a portion of the pipe-stem; and Fig. 3 is a transverse section taken on the line $x^3 x^3$ of Fig. 2.

The numeral 1 indicates the bowl of the pipe, which bowl has a stub-stem portion 2, through which an axial smoke-passage 3 is run.

The numeral 4 indicates the mouthpiece, which is provided with an axial smoke-passage 5. The stub-stem 2 of the pipe-bowl is provided with an extended sleeve 6, and the mouthpiece 4 is likewise provided with an extended sleeve 7, which telescopes with the said sleeve 6. Preferably the sleeves 6 and 7 are slightly tapered, so that they may be forced together with increasing friction.

The stub-stem 2 is provided, in line with the smoke-passage 3, with a small extension-tube 8, and the mouthpiece 4 is likewise provided, in line with its smoke-passage 5, with a short extension-tube 9, which terminates short of, but stands in axial line with, the said extension-tube 8.

The numeral 10 indicates a thimble or tube which is closed at one end and open at the other, the same being triangular in cross-section and formed at its open end with serrations 11. The said thimble 10 when placed in working position snugly fits the interior of the sleeve 6, and it surrounds the projecting portion of the extension-tube 8, leaving the smoke free to pass through the serrations 11.

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The smoke in passing from the bowl 1 to the passage 5 of the mouthpiece 4 will be caused to take a winding course and to reverse its direction several times, as indicated by the arrows marked on Fig. 1. As the smoke emerges from the end of the central extension-tube 8 it is permitted to expand, and its course is reversed, so that it is drawn backward to the serrations 11, through which it passes, its course being then again reversed or directed toward the mouthpiece 4. By this reversing and expanding process the smoke is cooled and caused to drop or deposit its nicotine, which will be caught either within the thimble 10 or within the sleeves 6 7. As the extension-tube 9 of the mouthpiece 4 is located above the bottom of the sleeve 7, any nicotine or other material deposited within the said sleeve 7 cannot possibly run into the said extension-tube 9, and hence cannot reach the smoker's mouth.

By actual usage of the device I have demonstrated its efficiency and convenience.

As the parts of the pipe-stem may be easily disconnected, the pipe is made very easy to clean.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

In a pipe, the combination with the bowl 1 having the stub-stem 2, 3, with concentric tubular extensions 6, 8, of the mouthpiece 4, 5, with concentric tubular extensions 7, 9, and the thimble 10 which is angular in cross-section is closed at one end and serrated or irregularly formed at its other end, the said parts being arranged substantially as and for the purposes set forth.

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

ANGUS MCINTYRE.

Witnesses:

T. F. UPHAM,
DUNCAN MCKEE.