

No. 635,240.

Patented Oct. 17, 1899.

J. M. EDER.
SMOKING TUBE.

(Application filed Feb. 16, 1899.)

(No Model.)

Fig. 1.

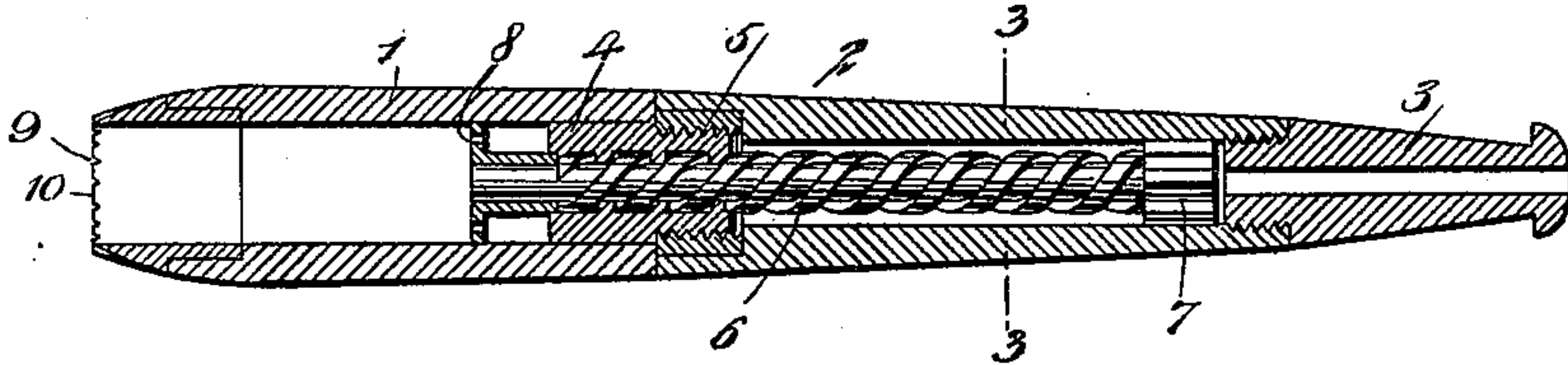


Fig. 2.

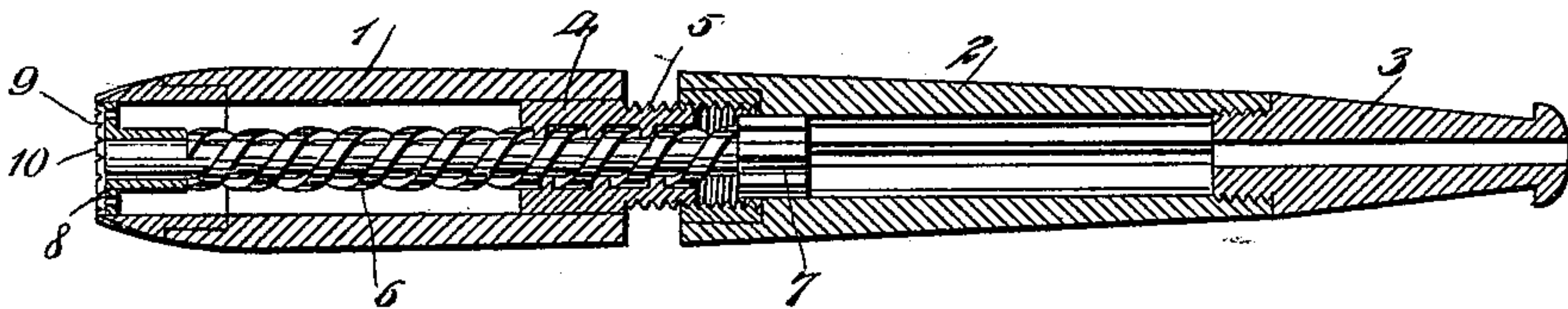


Fig. 3.

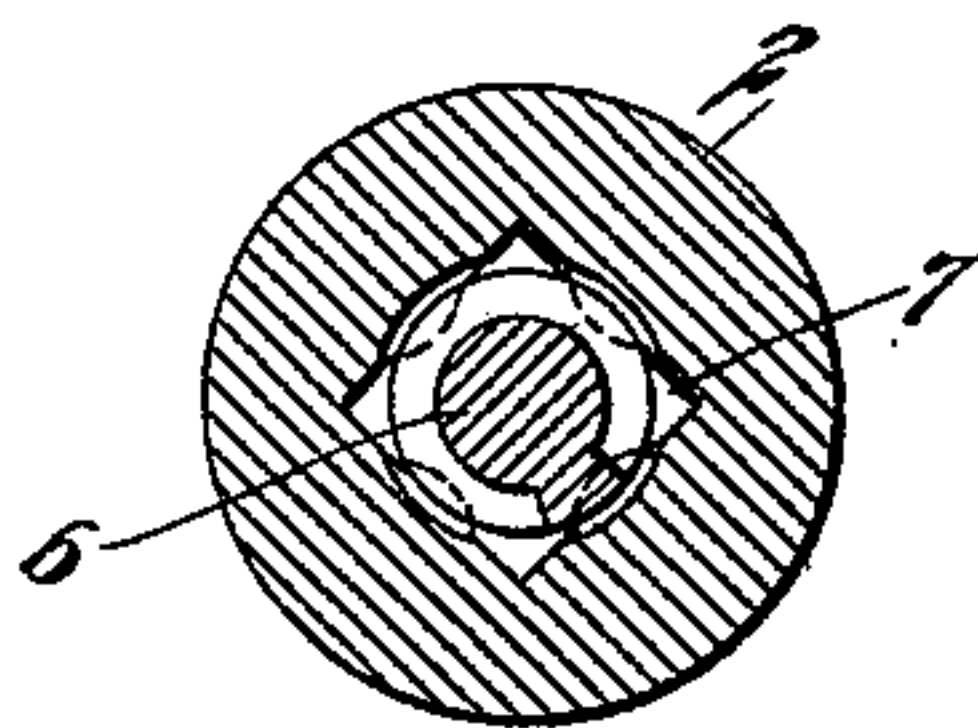
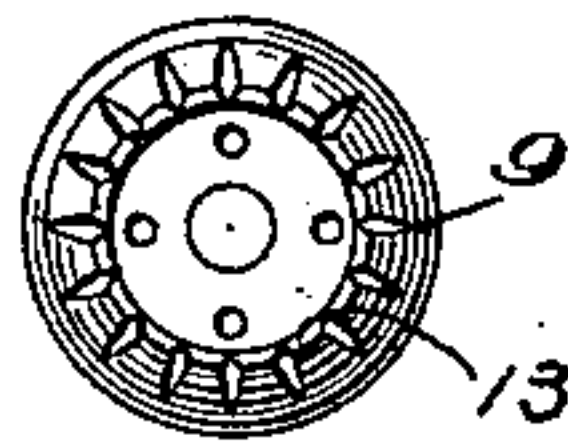


Fig. 4.



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SMOKING-TUBE.

SPECIFICATION forming part of Letters Patent No. 635,240, dated October 17, 1899.

Application filed February 16, 1899. Serial No. 705,629. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. EDER, of the city of New York, borough of Manhattan, in the county of New York and State of New York, have invented a new and Improved Smoking-Tube, of which the following is a full, clear, and exact description.

This invention relates to improvements in tobacco smoking-tubes; and the object is to provide a smoking-tube of simple and comparatively inexpensive construction and so made that the bowl portion may be readily filled by forcing it endwise into tobacco contained in a package without touching the tobacco with the hands, and, further, to provide a simple means for ejecting ashes of the consumed tobacco, the said means also providing on its exterior a long sinuous passage for the smoke, thus serving to cool the smoke before it enters a person's mouth.

I will describe a smoking-tube embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal section of a smoking-tube embodying my invention and showing the parts in position for smoking. Fig. 2 is a section showing the parts in position for ejecting ashes. Fig. 3 is a section on the line 3 3 of Fig. 1, and Fig. 4 is a front end view of the smoking-tube.

The smoking-tube comprises a bowl-section 1, a stem-section 2, and a mouthpiece 3. The mouthpiece is shown as having removable connection with the stem; but it is obvious that it may be made integral therewith without departing from the spirit of my invention. The several parts above described when assembled present the appearance substantially of a cigar.

Arranged within the rear end of the bowl 1 is an interiorly-screw-threaded block 4, which has an exteriorly-screw-threaded extension 5 to engage with a screw-thread formed in the forward end of the stem-section 2. A solid threaded plunger-rod 6 is movable through the block 4, and it is also movable relatively to the stem-section 2 in a longitu-

dinal direction; but it is secured from rotary motion relatively to said stem.

As a means for preventing the rotary motion of the plunger relatively to the stem I have shown the plunger as having an angular head 7 engaging in a correspondingly-shaped opening through the stem; but obviously other means may be provided for preventing such rotary movement—such, for instance, as extending a rib outward from the end of the plunger to engage in a channel formed in the stem.

Removably attached to the forward end of the plunger-rod, so as to move in the bowl-section 1, is a piston 8, which has a diameter substantially equal to the inner diameter of said bowl, and it may have perforations through it for the passage of smoke, and it may be here stated that the screw-thread engagement between the plunger-rod and the block 4 is sufficiently loose to permit the smoke to pass around the outer surface of the rod or between said rod and the block, and as the smoke will have a tendency to follow the channel of the thread before it reaches the head 7 to pass through the openings therein it will be considerably condensed and cooled before it passes into a person's mouth.

The front end of the bowl-section 1 is beveled off to a sharp edge, so that it may be forced bodily into tobacco contained in a package, and by cutting its way through said tobacco a portion will be forced into the bowl. To facilitate this cutting operation, I may provide the end portion with longitudinally-disposed channels 9, which will form teeth at the extreme end.

In operation when it is desired to fill the bowl with tobacco the parts are to be in the position indicated by Fig. 1, and then by forcing the bowl into the tobacco it will become filled, as before described.

The threads of the plunger-rod 6 and of the portion 5 are in opposite directions, and as the plunger is much longer than the portion 5 it is obvious that the threads must be so related in pitch that on the movement of the stem portion 2 away from the bowl portion by a rotary movement of said stem or the bowl and to the limit of the stem's motion on the portion 5 the plunger will be moved its

entire length to eject the ashes of consumed tobacco, as indicated in Fig. 2. Of course on a reversed rotation of the stem of the bowl or bowl relatively to the stem the plunger will be drawn back to its normal position, as indicated in Fig. 1, while the stem and bowl are moved with their ends together.

A smoking-tube embodying my invention may be readily taken apart for cleaning—that is, the stem portion may be removed from the bowl portion—and by removing the piston 8 the plunger-rod 6 may be removed from the block and also from the stem, and then the stem and bowl may be cleaned in any desired manner and the plunger may be cleaned by washing or wiping with a cloth or the like. Thus it may be seen that the plunger-rod is much more easy to clean than is a plunger having a longitudinal perforation for the passage of smoke.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A smoking-tube, comprising a bowl-section, a stem-section, an interiorly-threaded block in the bowl-section and having an exteriorly-threaded extension for engaging with an interior thread of the stem-section, a threaded plunger-rod movable through the

block, the thread thereof being in a reverse direction to the exterior thread of the block, and the pitch of the two threads being so related as to move the plunger-rod to its limit upon moving the stem portion to its limit on said threaded projection, and an angular head on the plunger-rod engaging in a correspondingly-shaped perforation through the stem, substantially as specified.

2. A smoking-tube, comprising a bowl-section, an interiorly-threaded block secured within said bowl-section and having an exteriorly-threaded extension whose thread is in opposite direction to and smaller than the interior thread of the block, a stem-section fitted to screw on said extension, and a solid threaded plunger-rod fitted loosely through said block and having an angular head engaging a corresponding longitudinal perforation through the said stem, whereby an outward screwing of the stem will cause a movement of the plunger-rod in the opposite direction and the smoke passing from the bowl-section will have a circuitous course through the block, as and for the purpose set forth.

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Witnesses:

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