

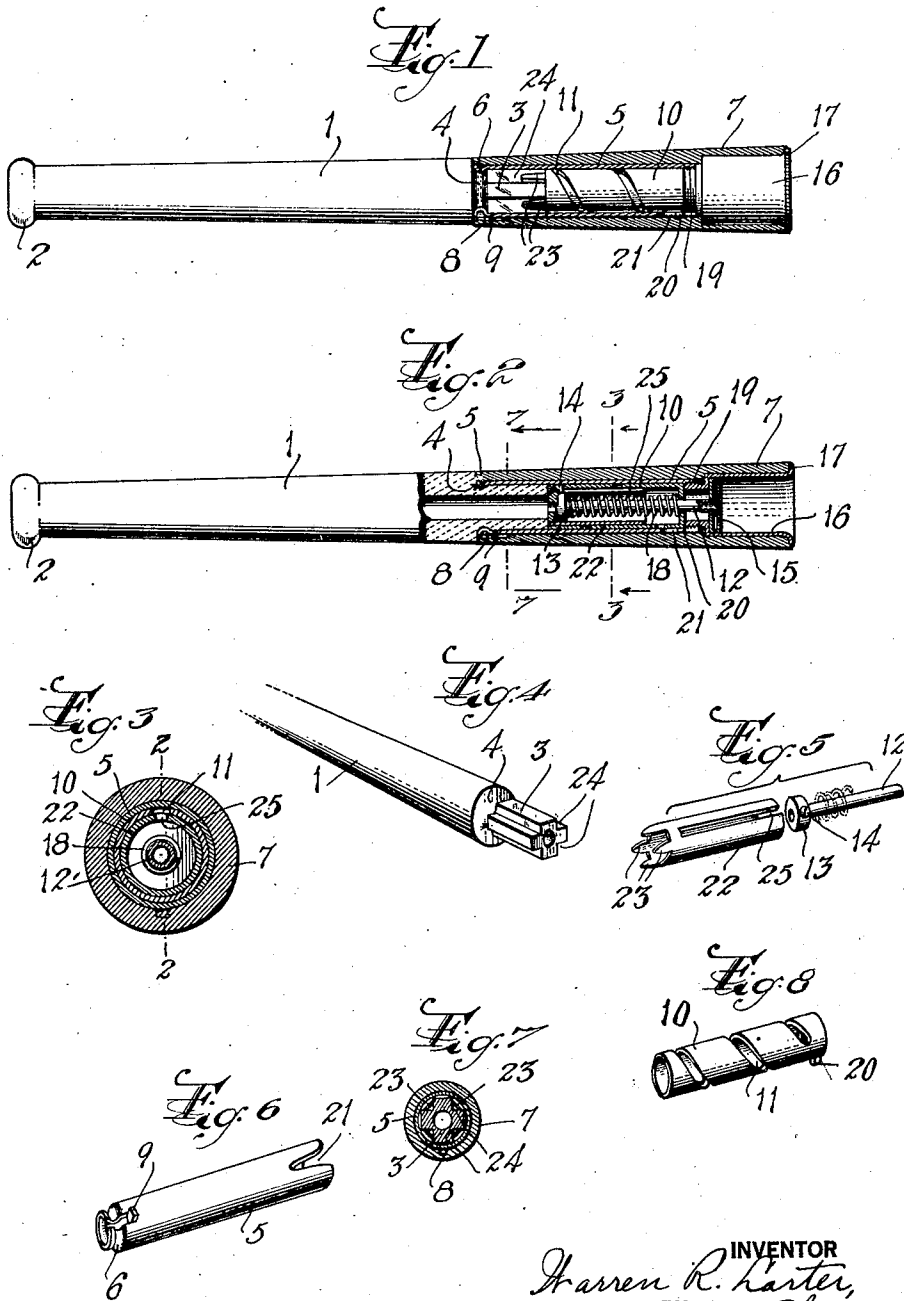
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W. R. LARTER

CIGAR OR CIGARETTE HOLDER

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INVENTOR
Warren R. Larter,
BY
Everett H. Wook,
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WARREN R. LARTER, OF NEWARK, NEW JERSEY, ASSIGNOR TO LARTER & SONS, OF
NEWARK, NEW JERSEY, A FIRM.

CIGAR OR CIGARETTE HOLDER.

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This invention relates particularly to a cigar or cigarette holder from which the cigar or cigarette may be automatically ejected without grasping the same and without the use of a tool or instrument.

One object of the invention is to provide a cigar or cigarette holder of this character embodying a novel and improved construction whereby a cigar or cigarette may be ejected gradually by an easy and convenient relative rotative action of two parts grasped by the user to avoid the cigar or cigarette being forcibly projected or "shot" from the holder with a snap action, and wherein the ejecting mechanism automatically returns to normal position upon release of one of said two parts.

Another object is to provide such a holder having the parts thereof so constructed and arranged that the holder is neat in appearance, has a smooth exterior surface and is no larger at any point than the usual non-ejecting or plain type of cigar or cigarette holder.

Further objects are to provide a holder of the character described which is sanitary in construction and wherein commingling or contact of smoke, the juices from the tobacco or saliva with the interior working parts of the ejecting mechanism, is prevented; to provide such a holder which can be easily and quickly disassembled and cleaned by the user, and to obtain other results and advantages as may be brought out by the following description.

Referring to the accompanying drawings, in which corresponding and like parts are designated throughout the several views by the same reference characters,

Figure 1 is a side elevation of a cigar or cigarette holder embodying the invention with the tip portion of the holder shown in longitudinal section;

Figure 2 is a vertical longitudinal sectional view through the holder, taken on the line 2—2 of Figure 3;

Figure 3 is an enlarged transverse vertical sectional view, taken on the line 3—3 of Figure 2;

Figure 4 is a fragmentary perspective view of the inner end of the stem portion of the holder;

Figure 5 is a composite perspective view of the tube for connecting the cigar or cigarette ejecting plunger to the stem portion, and the plunger;

Figure 6 is a perspective view of the sleeve which is rotatably mounted upon the inner end of the stem portion;

Figure 7 is a transverse vertical sectional view, taken on the line 7—7 of Figure 2, and

Figure 8 is a perspective view of the helically slotted plunger actuating cylinder.

Specifically describing the illustrated embodiment of the invention, the reference character 1 designates the stem portion of the holder which may be formed of any suitable material such as amber or bakelite, and is formed at one end with a mouthpiece 2. The other end of the stem portion is reduced at 3 and formed with a circumferential groove 4 at the junction of the reduced portion with the body of the stem. A sleeve 5 is rotatably mounted upon the reduced portion 3 of the stem and secured against longitudinal movement by a rib 6 fitted in the groove 4, said rib being formed in any suitable manner as by spinning or pressing the material of the sleeve inwardly.

A tubular tip portion 7 which may be formed of any suitable material such as hard rubber or bakelite, is adapted to be fitted upon the sleeve 5 so as to be longitudinally removable therefrom but rotate therewith. In the present instance, the end of the tip portion is formed with a groove 8 which receives a laterally projecting lug 9 on the sleeve 5. Within the sleeve 5 is rotatably mounted a hollow cylinder 10 having a helical slot 11, and within said cylinder is coaxially and longitudinally movably mounted a tubular plunger 12. This plunger has one end thereof enlarged as at 13 and provided with a laterally projecting lug 14 fitted within the helical slot 11, and the other end of said plunger has swivelly connected thereto a head 15 rotatably and longitudinally movable in a flanged tube 16 fitted in the outer end of the tubular tip portion 7. The outer end of the sleeve 5 is interiorly threaded and the inner end of the flanged tube 16 is exteriorly threaded to cooperate with said interior threads so that the flanged tube may be separably connected, as at 19, to the sleeve 5 with its flange 17 overlying the outer end of the tubular tip portion 7. With this construction, the tubular tip portion is held against longitudinal movement off the sleeve 5. A compression spring 18 is interposed between the enlarged portion 13 of the

plunger and the outer end of the hollow cylinder, said spring normally tending to move the plunger inwardly of the holder so as to cause abutting engagement of the enlarged end 13 thereof with the end of the reduced portion 3 of the stem and to locate the head 15 inwardly of the outer end of the flanged tube 16, as clearly shown in Figure 2 of the drawings. Also, said spring normally holds the outer end of the hollow cylinder 10 in abutting engagement with the inner end of the flanged tube 16. The hollow cylinder 10 is formed with a lug 20 to fit within a slot 21 in the outer end of the sleeve 5 so that said cylinder is caused to rotate with said sleeve and the tubular tip portion 7. A tube 22 is fitted within the hollow cylinder and formed at one end with a plurality of longitudinal projections or fingers 23 adapted to be arranged within longitudinal grooves or recesses 24 in the reduced portion 3 of the stem. Said grooves 24 open outwardly through the end of said reduced end portion 3 so that the tube 22 is longitudinally separable from the stem portion but is caused to rotate with the stem portion. The tube 22 is provided with a longitudinal slot 25 through which passes the lug 14 on the plunger 12.

With this construction, it will be obvious that a cigar or cigarette may be fitted within the flanged tube 16 in a manner similar to that in which a cigar or cigarette is fitted in an ordinary cigar or cigarette holder. The smoke from the cigar or cigarette passes through the tubular plunger 12 into the passage through the tubular stem 1, the spring 18 normally holding the end 13 of the tubular plunger in tight abutting engagement with the reduced end 3 of the stem. When it is desired to eject the cigar or cigarette from the holder it is merely necessary to grip the stem portion in one hand and the tip portion 7 in the other hand, at the same time causing relative rotation of said stem portion and said tip portion. The hollow cylinder 10 is thus rotated relatively to the plunger 12 so that the plunger is moved longitudinally outwardly and the head 15 pushes the cigar or cigarette from the flanged tube 16. This action is relatively slow and gradual so that the cigar or cigarette is not forcibly projected or "shot" from the holder. Either the tip portion or the stem portion is then released and the spring 18 automatically returns the parts including the plunger to their normal positions.

It will be observed that the smoke, moisture from the tobacco and saliva are prevented from commingling or contacting with any part of the ejecting mechanism except the interior of the tubular plunger 12 and the head 15. Therefore, unsanitary accumulations in the holder are prevented. When it is desired to clean the holder or to

make adjustments in the ejecting mechanism, it is merely necessary to unscrew the flanged tube 16 from the sleeve 5, whereupon the hollow cylinder 10 with the parts arranged therein are removed from the sleeve 5 and the tubular tip portion 7 may be longitudinally slipped off said sleeve. It will be noted that the tubular tip portion 7 is coaxial with the stem portion, and that the outer surface of the holder is smooth and uninterrupted, all parts of the ejecting mechanism being invisible from the exterior of the holder, and the joint between the tubular tip portion and the stem portion being the only break in the exterior surface of the holder.

Obviously, the details of construction of the holder may be modified and changed by those skilled in the art without departing from the spirit or scope of the invention, and therefore I do not desire to be understood as limiting myself in the construction of the holder except as required by the following claims when construed in the light of the prior art.

Having thus described the invention, what I claim is:

1. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and coaxially with said stem portion and adapted to receive a cigar or cigarette, a plunger within said tip portion movable longitudinally thereof and relatively to said stem portion for pushing a cigar or cigarette from said tip portion, cooperating means upon said tip portion and said stem portion for longitudinally moving said plunger in opposite directions upon relative rotation of said tip portion and said stem portion in opposite directions respectively, and a spring for producing relative rotation of said tip portion and said stem portion in one direction.

2. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, said tip portion having an interior helical groove, a plunger within said tip portion and movable longitudinally thereof and relatively to said stem portion to eject a cigar or cigarette from said tip portion and having a lateral projection arranged in said helical groove, and means for holding said plunger against rotation relatively to said stem portion, whereby relative rotation of said tip portion and said stem portion produces longitudinal movement of said plunger.

3. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, said tip por-

tion having an interior helical groove, a plunger within said tip portion and movable longitudinally thereof and relatively to said stem portion to eject a cigar or cigarette from said tip portion and having a lateral projection arranged in said helical groove, means for holding said plunger against rotation relatively to said stem portion, and a compression spring interposed between said tip portion and said plunger to move said plunger inwardly of said tip portion, whereby manual relative rotation of said tip portion and said stem portion in one direction produces movement of said plunger outwardly of said tip portion to eject a cigar or cigarette and said spring automatically returns said plunger to normal position upon release of said tip portion or said stem portion.

4. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, a sleeve rotatably mounted upon one end of said stem portion and longitudinally removably fitted within said tip portion and rotatable therewith, a hollow cylinder having a helical slot in its walls arranged within said sleeve and rotatable therewith, a plunger movable longitudinally of said tip portion to eject a cigar or cigarette and having a lateral projection arranged in said helical slot, means for holding said plunger against rotation relative to said stem portion, and a flanged tube fitted into the outer end of said tip portion and separably connected to said sleeve with its flange overlying the outer end of said tip portion.

5. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, a sleeve rotatably mounted upon one end of said stem portion and longitudinally removably fitted within said tip portion and rotatable therewith, a hollow cylinder having a helical slot in its walls arranged within said sleeve and rotatable therewith, a plunger movable longitudinally of said tip portion to eject a cigar or cigarette and having a lateral projection arranged in said helical slot, a tube having a longitudinal slot fitted within said hollow cylinder with said projection on said plunger arranged in said slot, said tube being separably connected to said stem portion but rotatable therewith, and a flanged tube fitted into the outer end of said tip portion and

separably connected to said sleeve with its flange overlying the outer end of said tip portion.

6. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, a sleeve rotatably mounted upon one end of said stem portion and longitudinally removably fitted within said tip portion and rotatable therewith, a hollow cylinder having a helical slot in its walls arranged within said sleeve and rotatable therewith, a plunger movable longitudinally of said tip portion to eject a cigar or cigarette and having a lateral projection arranged in said helical slot, a tube having a longitudinal slot fitted within said hollow cylinder with said projection on said plunger arranged in said slot, said tube having a plurality of longitudinal circumferentially spaced projections on one end and said stem portion having a plurality of circumferentially spaced recesses opening through one end to receive said projections so as to connect said tube and said stem portion to be relatively non-rotatable but longitudinally separable, and a flanged tube fitted into the outer end of said tip portion and separably connected to said sleeve with its flange overlying the outer end of said tip portion.

7. A cigar or cigarette holder comprising a tubular stem portion, a tubular tip portion rotatably mounted at one end upon and co-axially with said stem portion and adapted to receive a cigar or cigarette, said tip portion having an interior helical groove, a tubular plunger arranged co-axially of said tip portion for longitudinal movement therein to eject a cigar or cigarette and having one end normally in abutting engagement with the end of said stem portion whereby said plunger serves as a passage or conduit for smoke between the cigar or cigarette and said stem portion, means for holding said plunger against rotation relatively to said stem, and a compression spring interposed between said tip portion and said plunger to move said plunger inwardly of said tip portion into abutting engagement with said stem portion, whereby manual relative rotation of said tip portion and said stem portion in one direction produces movement of said plunger outwardly of said tip portion to eject a cigar or cigarette and said spring automatically returns said plunger to normal position upon release of said tip portion or said stem portion.

WARREN R. LARTER.