

No. 840,853.

PATENTED JAN. 8, 1907.

R. E. KING.
SMOKING DEVICE.
APPLICATION FILED APR. 7, 1906.

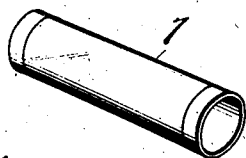
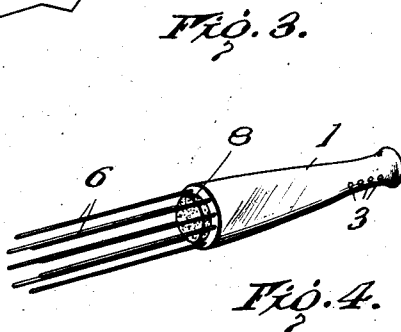
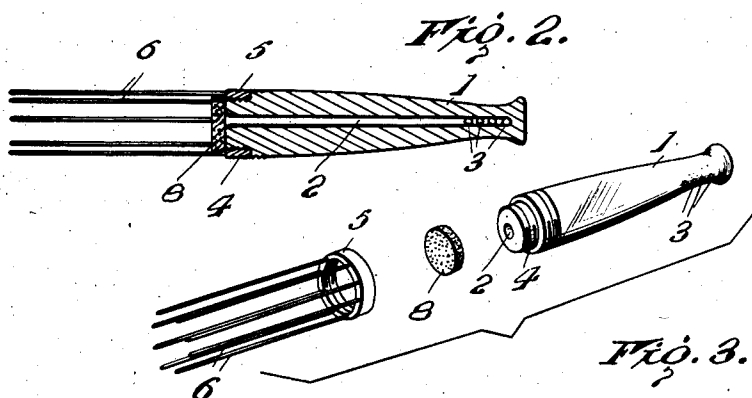
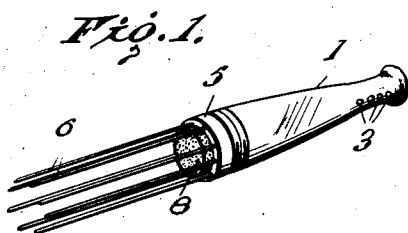


Fig. 5.

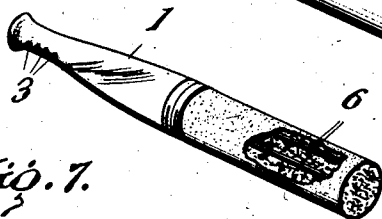


Fig. 7.

Witnesses

J. M. Mirie
C. B. Williams

Robert E. King

By *J. M. C. W. Intire*

Inventor

Attorney

UNITED STATES PATENT OFFICE.

ROBERT E. KING, OF BEAUFORT, NORTH CAROLINA.

SMOKING DEVICE.

No. 840,853.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed April 7, 1906. Serial No. 310,533.

To all whom it may concern:

Be it known that I, ROBERT E. KING, a citizen of the United States, residing at Beaufort, in the county of Carteret and State of North Carolina, have invented certain new and useful Improvements in Smoking Devices; 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 certain new and useful improvements in smoking devices, and has for its object to provide means by which a smoker may be enabled to provide himself with a smoke having all of the present and fascinating characteristics of an ordinary paper cigarette without the usual unpleasant odor of burning paper or the injurious toxic effects.

My invention has also for its object to provide means by which the mouthpiece or holder may be ventilated and the smoke passing through the same to the mouth of the user cooled or diluted by a supply of fresh atmospheric air.

With these ends in view my invention consists in the particular construction and adaptation, hereinafter more fully described, of the device constituting the subject-matter of my invention.

In order that those skilled in the art to which my invention appertains may know how to make the same and to fully appreciate its uses and advantages, I will proceed to describe my improved device, referring by numerals to the accompanying drawings, in which—

Figure 1 is a perspective view of the improved device ready for use. Fig. 2 is a central longitudinal section. Fig. 3 is a perspective view of the two parts of the device separated. Fig. 4 is a perspective view showing a modification. Fig. 5 is a perspective view of a cap or cover to be employed when the smoking device is to be carried in the pocket. Fig. 6 is a perspective view showing the cap or cover secured in position upon the smoking device; and Fig. 7 is a perspective view showing the device loaded with tobacco and with an ordinary cigarette or other paper surrounding the loaded tobacco-cage, the paper being partially broken away to expose the contents of the cage.

Similar reference-numerals indicate like parts in the several figures of the drawings.

1 is a stem or mouthpiece, composed of any suitable material, formed with a central longitudinal smoke-passage 2 (preferably closed at the extreme end of mouthpiece) and with transverse intersecting orifices 3 adjacent to the end to be embraced by the lips of the user in order that said transverse orifices may be wholly or partially covered by the lips, as may be desired, and for the purpose herein- after more fully explained.

The outer end of the device is reduced, as shown at 4, (see Figs. 1, 2, and 3,) and is screw-threaded to receive a correspondingly-threaded short ring or collar 5, from which project a series of wires 6, constituting a tubular-shaped cage, which when the collar 5 is placed in the position shown at Fig. 1 constitutes the receptacle for a suitable or desired charge of tobacco, and the outer surface of the device adjacent to the reduced portion is also screw-threaded to receive a cap or cover 7.

While I have shown this cage or tobacco-receptacle as composed of a series of parallel wires, I may substitute for the same a tube of wire-gauze soldered or otherwise suitably attached at one end to the collar 5, and in lieu of securing the wires or gauze tube directly to the collar either may be secured directly to the end of the device 1, as shown clearly in Fig. 4, in which case it will be unnecessary to reduce the end, as shown at 4. Within the cage or tobacco-receptacle is arranged a piece of ordinary cork 8, which is forced down near to the holder, as clearly shown. This cork thus located, while permitting a free draft around its circumference, serves to prevent any particles of tobacco from being drawn into the mouthpiece.

In the use of my improved smoking device the cage 6 is charged with tobacco by preferably introducing it into a package of tobacco, and before withdrawing it it should be rotated to free the outer surface from particles of tobacco. The same process is followed if the tobacco should be held in the hand.

When the cage thus loaded is withdrawn from the body of tobacco, an ordinary cigarette or other suitable paper is placed around said cage by dampening the transverse edge (at one end of the paper) and attaching it to the collar of the frame, then winding the paper around the frame and dampening the free edge and smoothing the same down in the usual manner of making an ordinary cig-

arette, when the same will be ready for use. In lighting the tobacco the lips are placed over the series of transverse orifices 3 at the mouth end, thus producing a proper draft through the holder 1 to secure thorough ignition of the tobacco, after which and if desired any number of the orifices may be exposed to the outside atmospheric air in order that a sufficient quantity of air may be mingled with the smoke to cool and purify the same.

As the tobacco is burned the cage prevents the surrounding paper from becoming ignited and burning and permits it to become only slightly charred or scorched, thus preventing the emission of the disagreeable odor, and the toxic effects of burning paper are avoided, while the paper envelop surrounding the cage effectually prevents the escape of sparks or ashes from the cage and which in the case of ordinary cigarettes so frequently burn or soil the clothing.

When the smoke has been completed, the charred or scorched paper wrapper or envelop is withdrawn from the cage, and all residuum contained in the cage is readily removed by blowing a current of air through the cage or gently tapping the same.

It will be readily seen that economy may be practiced by the use of my improved device, for the cage may be loaded to any desired extent, and consequently no waste of tobacco occurs if only a short smoke is desired.

After using the device the cap or cover 7 is placed over the cage and screwed upon the part 1, as shown in Fig. 6, and the device may be readily carried in the pocket without soiling the clothing.

My invention may be readily applied to the short stems of ordinary pipes by simply providing the end of the stem which enters the bowl with a reduced projecting portion, such as shown at 4 in the drawings, which shall be adapted to receive the collar 5, with its cage 6, so that with a stem thus constructed it will be obvious that the user may at will indulge his taste for either a pipe or cigarette.

While I have shown and described the collar of the tobacco-cage threaded and screwed upon the reduced portion of the mouthpiece and prefer such construction, it will be obvious that the threads upon the mouthpiece and the collar may be omitted and connection between the two parts secured by

suitable frictional contact. As hereinbefore stated, the central longitudinal passage 2 of the mouthpiece is closed at the extreme end in order that the biting effect upon the tongue which is usually experienced in the use of mouthpieces may be avoided and the smoke diverted and caused to travel through the transverse orifices to a locality back of the upper teeth, where the mouth is less highly endowed with sensory nerve fiber than is the case with the tongue.

Having described the construction and advantages of my improvement, what I claim as new, and desire to secure by Letters Patent, is—

1. A smoking device comprising a holder or mouthpiece provided at its outer end with a fireproof cage or tobacco-receptacle having radial openings or perforations and adapted to receive a paper wrapper or covering to exclude air from entering said openings or perforations, substantially as and for the purpose set forth.

2. A smoking device consisting of a holder or mouthpiece having its outer end reduced and screw-threaded, in combination with a fireproof cage or tobacco-receptacle formed with radial perforations or openings and provided at one end with a threaded collar adapted to be secured in position upon the threaded portion of the holder or mouthpiece, said cage or tobacco-receptacle being also adapted to receive a paper covering for excluding air through the radial openings, substantially as and for the purpose set forth.

3. A tobacco-receptacle for a smoking device, consisting of a fireproof cage provided at one end with a collar adapted to be secured to the outer end of a mouthpiece and to receive a surrounding envelop or tobacco-confining wrapper substantially as herein-after set forth.

4. A smoking device consisting of a mouthpiece provided at its outer end with a cage or tobacco-receptacle consisting of a series of parallel wires adapted to temporarily confine a charge or quantity of tobacco and to receive a surrounding air-excluding wrapper or envelop, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT E. KING.

Witnesses:

J. J. WHITEHURST,
C. T. BELL.