

J. S. HUNTER.
 DEVICE FOR OBVIATING THE GENERATION OF NICOTIN.
 APPLICATION FILED OCT. 19, 1910.

980,270.

Patented Jan. 3, 1911.

Fig. 1.

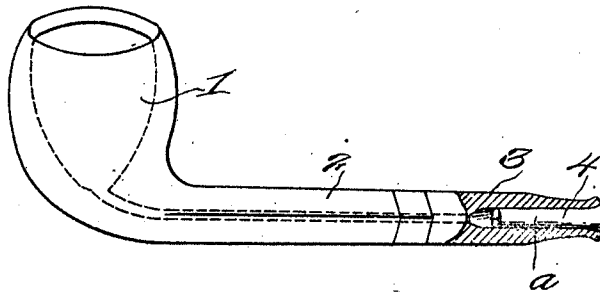


Fig. 2.

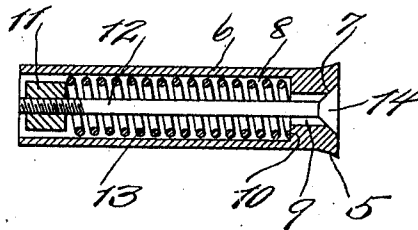
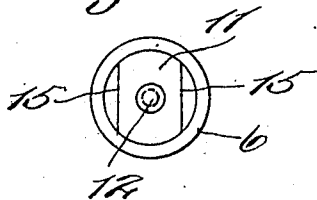


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN S. HUNTER, OF LAMAR, COLORADO.

DEVICE FOR OBVIATING THE GENERATION OF NICOTIN.

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Specification of Letters Patent.

Patented Jan. 3, 1911.

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To all whom it may concern:

Be it known that I, JOHN S. HUNTER, a citizen of the United States, residing at Lamar, in the county of Prowers and State of Colorado, have invented a new and useful Device for Obviating the Generation of Nicotin, of which the following is a specification.

This invention belongs to the art of smoking pipes, and it particularly pertains to a new and useful device for eliminating the possibility of the saliva from the smoker's mouth entering the pipe stem. In other words, the device will prevent the generation of nicotin in the pipe stem.

The invention aims to provide means to obtain the above result, comprising a valve casing adapted to be located within the mouth piece of the pipe stem and in one end of which a valve is arranged. This valve is provided with the usual valve stem, the end of which is provided with threads to receive an adjustable member. Between this adjustable member and a shoulder within the casing, and encircling the said valve stem, is a spring, the tendency of which is to hold the valve seated. When the smoker draws upon his pipe, he causes a vacuum between the mouth of the mouth piece and the said valve, which causes the valve to become unseated. When this action occurs, the spring between the adjustable member and the shoulder is contracted. When the smoker ceases to draw upon his pipe, the vacuum is relieved and the valve closes, thereby preventing the generation of nicotin. In the drawings, however, there is only disclosed one particular form of the invention, but in practical fields this form may require certain alterations, to which the applicant is entitled, provided the alterations are comprehended by the appended claims.

Other features and combination of parts will be hereinafter more fully set forth, shown in the drawings, and claimed.

In the drawings:—Figure 1 is a perspective view, showing parts thereof in elevation and parts in section, with the device applied to the mouth piece of the stem, the same being shown in elevation at *a*. Fig. 2 is a longitudinal sectional view through the device which is indicated at *a* in Fig. 1, showing the valve seated, with the spring coacting between the adjustable member and

the shoulder of the interior of the device. 55
Fig. 3 is an end view of the device, illustrating the fact that the adjustable member is provided with flat faces, thereby permitting the smoke to be drawn through the stem.

Referring to the drawings, in which the 60
preferred form of the invention is disclosed, 1 designates the bowl of the usual form of smoking pipe, which is provided with the usual stem 2 and the mouth piece 3.

As indicated in Fig. 1, as at *a*, a device 4 65
is provided for eliminating the possibility of the generation of nicotin in the pipe stem. This device is curved outwardly at the end which is arranged at the extreme portion of the mouth piece, as indicated at 5, in order 70
to prevent the device from being pushed too far inwardly of the mouth piece. This device 4 comprises the tubular member 6, having a valve seat 7 between which and the cylindrical bore 8 a smaller bore 9 is arranged. 75
By the smaller bore 9 a shoulder 10 is formed, between which and an adjustable member 11, which is threaded upon the valve stem or rod 12, a spring 13 is interposed. By the action of this spring, the 80
valve 14 is held normally in a closed or seated position, and by a drawing effect a vacuum is created between the valve and the interior of the smoker's mouth, which will cause the valve to become unseated. 85

The adjustable member 11 is approximately and continually inclosed by the tubular member, but in order to permit smoke to pass the adjustable member when the valve 14 is unseated or opened, flat surfaces 90
15 are formed or provided upon the adjustable member. It will be observed that by these flat surfaces 15 the smoke is permitted to pass the adjustable member, regardless of the position of the member. 95

The invention having been set forth, what is claimed as new and useful is:

1. A device as set forth, comprising a tubular member having an interior shoulder portion and provided with a normally seated 100
valve, said valve including a stem or rod, having a member threaded upon one end, a spring interposed between said member and the shoulder for holding the valve normally seated, said threaded member being arranged 105
within the tubular member and constituting means for adjusting the action of said spring, said threaded member having flat surfaces

upon either side thereof to permit the smoke to be drawn through the stem when the valve is open.

2. A device as set forth, comprising a tubular member having an interior shouldered portion and provided with a normally seated valve, said valve including a stem or rod, having a member threaded upon one end, a spring interposed between said member and the shoulder for holding the valve normally seated, said threaded member being arranged

within the tubular member and constituting means for adjusting the action of said spring.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN S. HUNTER.

Witnesses:

E. H. APPLEGATE,

A. E. DOWNER.