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V. RUSSO

1,849,640

SMOKING DEVICE

Filed July 8, 1931

Fig. 1.

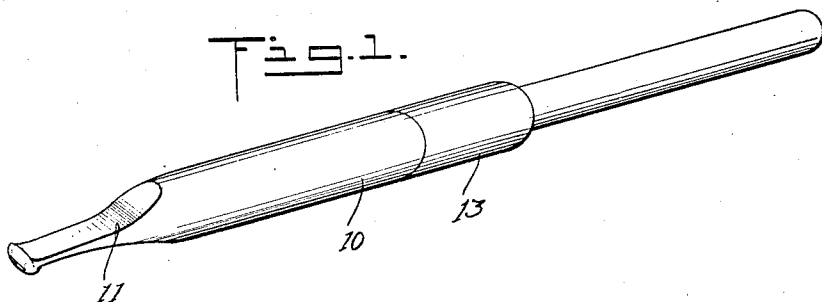


Fig. 2.

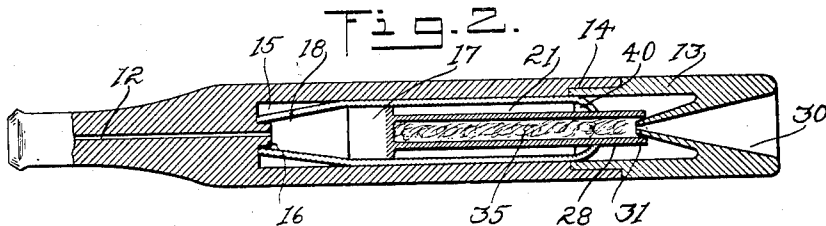


Fig. 3.

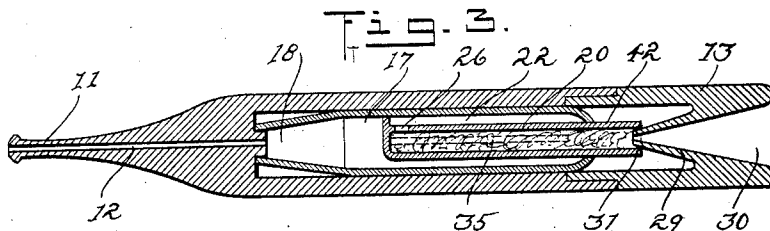


Fig. 4.

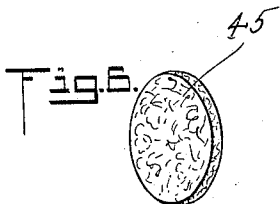
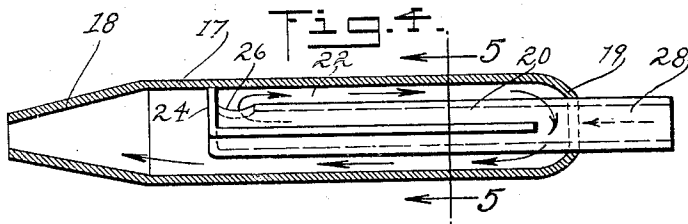
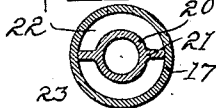


Fig. 5.



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## UNITED STATES PATENT OFFICE

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## SMOKING DEVICE

Application filed July 8, 1931. Serial No. 549,529.

The present invention relates to new and useful improvements in smoking devices, and more particularly it pertains to a device especially adapted for use in the smoking of cigars, cigarettes and the like.

It is one of the objects of the present invention to provide a device of the aforementioned character in which means is employed for filtering or extracting impurities from the smoke which passes therethrough before reaching the mouth of the smoker.

It is a further object of the invention, to provide a device of the aforementioned character in which the smoke is caused to take a circuitous path in its passage through the device for the purpose of cooling the smoke.

A still further object of the invention, resides in the provision of a novel construction whereby the device may be readily taken apart and cleaned.

With the above and other objects in view, reference will be had to the accompanying drawings, wherein:

Figure 1 is a perspective view of a device constructed in accordance with the present invention especially adapted for cigarettes, said figure showing a cigarette in position in the end of the holder,

Figure 2 is a longitudinal sectional view of the device,

Figure 3 is a longitudinal sectional view of the device taken at right angles to Figure 2,

Figure 4 is a view partly in elevation and partly in longitudinal section illustrating the interior portion of the device removed from the exterior thereof,

Figure 5 is a transverse sectional view taken on the line 5—5 of Figure 4, and

Figure 6 is a perspective view of a modified form of smoke filtering device.

Referring more particularly to the drawings, a smoking device constructed in accordance with the present invention comprises an outer tubular member 10 shaped to provide a mouth bit 11 through which passes a smoke

passage 12. A cigar or cigarette carrying element 13 is removably carried by the end of the tubular member 10 opposite to the mouth bit end 11, and this element is removably attached to the member 10 by means of a joint 14 which may be either of the screw type or slip type as preferred. This outer tubular member 10 is hollowed out as illustrated at 15, and is provided with a projecting portion 16 which surrounds the entrant end of the smoke passage 12 for a purpose to be hereinafter described.

Mounted within the outer tubular member 10, there is an inner tubular member 17 having a reduced end 18 which is adapted to surround the projecting portion 16 and form a tight joint therewith as best illustrated in Figures 2 and 3. The tapered portion 18 is at the rear end of the member 17, and at its forward end it is rounded as indicated at 19. Mounted within the tubular member 17, there is a tubular member 20 and said tubular member 20 is provided with vanes or similar walls 21 which space it from the inner wall of the tubular member 17 to provide upper and lower smoke passages 22 and 23 respectively. At its rear end this inner member 20 has an upstanding wall 24 which prevents the smoke from passing from the upper passage 22 directly to the interior of the member 17, and also serves with the vanes or flanges 21 to cause the smoke to pass to the forward portions of the tubular member 17. An opening 26 is formed at the rear end of the inner member 20 and this opening 26 provides an exit opening for the smoke which passes through the inner tubular member 20. The inner tubular member passes through the rounded end 19 of the tubular member 17 and projects therebeyond as indicated at 28 and the outer end of this extension 28 is open for the purpose of receiving a projecting portion 29 which extends rearwardly from the cigar or cigarette receiving recess 30 of the member 18 as indicated at 31 in Figures 2 and 3.

A smoke purifying element 35 is employed and this element may be formed from any suitable material such as cotton or the like which will perform the function of absorbing moisture and extracting impurities from the smoke as it passes through the tubular member 20.

The device operates in the following manner:

With the several parts in their assembled position as illustrated in Figures 2 and 3, the smoke passes through the inner tubular member 20 and is discharged therefrom through the opening 26 into the upper smoke passage 22. The partitions or vanes 21 cause the smoke to pass forwardly in the smoke passage 22 to the forward end of the tubular member 17 where it passes through openings 40 to the smoke passage 23 and thence to the tubular member 17 and through the smoke passage 12 to the mouth of the smoker.

Thus it will be apparent that the invention provides a device in which the impurities are extracted from the smoke and in which the smoke is caused to take a circuitous path for the purpose of cooling the same.

The device may be employed without the inner tubular members 17 and 21, and in this form of the invention, the smoke purifying element in the form of a flat disk 45 is inserted in the device and secured in position by means of the member 13, the element 45 being clamped between the inner end of the element 13 and the shoulder 42 of the outer tubular member 10.

While the invention has been herein illustrated in a preferred form, it is to be understood that the invention is not to be limited to the specific construction herein shown, and that it may be practiced in other forms without departing from the spirit thereof.

Having thus described the invention, what is claimed as new and what it is desired to secure by Letters Patent of the United States is:

1. A smoking device comprising an outer member having a bit and a smoke passage formed therethrough, a tubular member mounted within said outer member and having communication at its rear end with said smoke passage, a second tubular member mounted in said first mentioned tubular member and having communication at its rear end with said first mentioned tubular member, and means for introducing smoke to said second mentioned tubular member, said last mentioned means comprising a cigar or cigarette carrying member, having an extension projecting into the forward end of said second mentioned tubular member.

2. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member mounted in said outer member and having communication at its rear end with said

smoke passage, a second tubular member mounted within said first mentioned inner tubular member and having communication at its rear end therewith, means for introducing smoke to said second mentioned inner tubular member, and means for causing the smoke discharged therefrom to pass to the forward end of the first mentioned inner tubular member before said smoke enters said tubular member.

3. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member mounted in said outer member and having communication at its rear end with said smoke passage, a second tubular member mounted within said first mentioned inner tubular member and having communication at its rear end therewith, means for introducing smoke to said second mentioned inner tubular member, and means for causing the smoke discharged therefrom to pass to the forward end of the first mentioned inner tubular member before said smoke enters said tubular member, said last mentioned means comprising partitions extending between said inner tubular member.

4. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member having communication with said smoke passage, a tubular member within said inner tubular member and having communication therewith, a smoke filtering medium carried in said last mentioned inner tubular member, and means for introducing smoke into said last mentioned tubular member.

5. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member having communication with said smoke passage, a tubular member within said inner tubular member and having communication therewith, a smoke filtering medium carried in said last mentioned inner tubular member, and means for introducing smoke into said last mentioned tubular member.

6. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member having communication with said smoke passage, a tubular member within said inner tubular member and having communication therewith, a smoke filtering medium carried in said last mentioned inner tubular member, and means for introducing smoke into said last mentioned tubular member, said last mentioned means comprising a cigar or cigarette carrying member removably carried by said outer member.

7. A smoking device comprising an outer member having a bit and a smoke passage extending therethrough, an inner tubular member having communication with said smoke passage, a tubular member within said inner

tubular member and having communication therewith, a smoke filtering medium carried in said last mentioned inner tubular member, and means for introducing smoke into said  
5 last mentioned tubular member, said last mentioned means comprising a cigar or cigarette carrying member removably carried by said outer member, and an extension having a smoke passage therethrough, said extension  
10 projecting rearwardly from said cigar or cigarette carrying member into the end of said second mentioned inner tubular member.

In testimony whereof I affix my signature.

VINCENT RUSSO.

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