

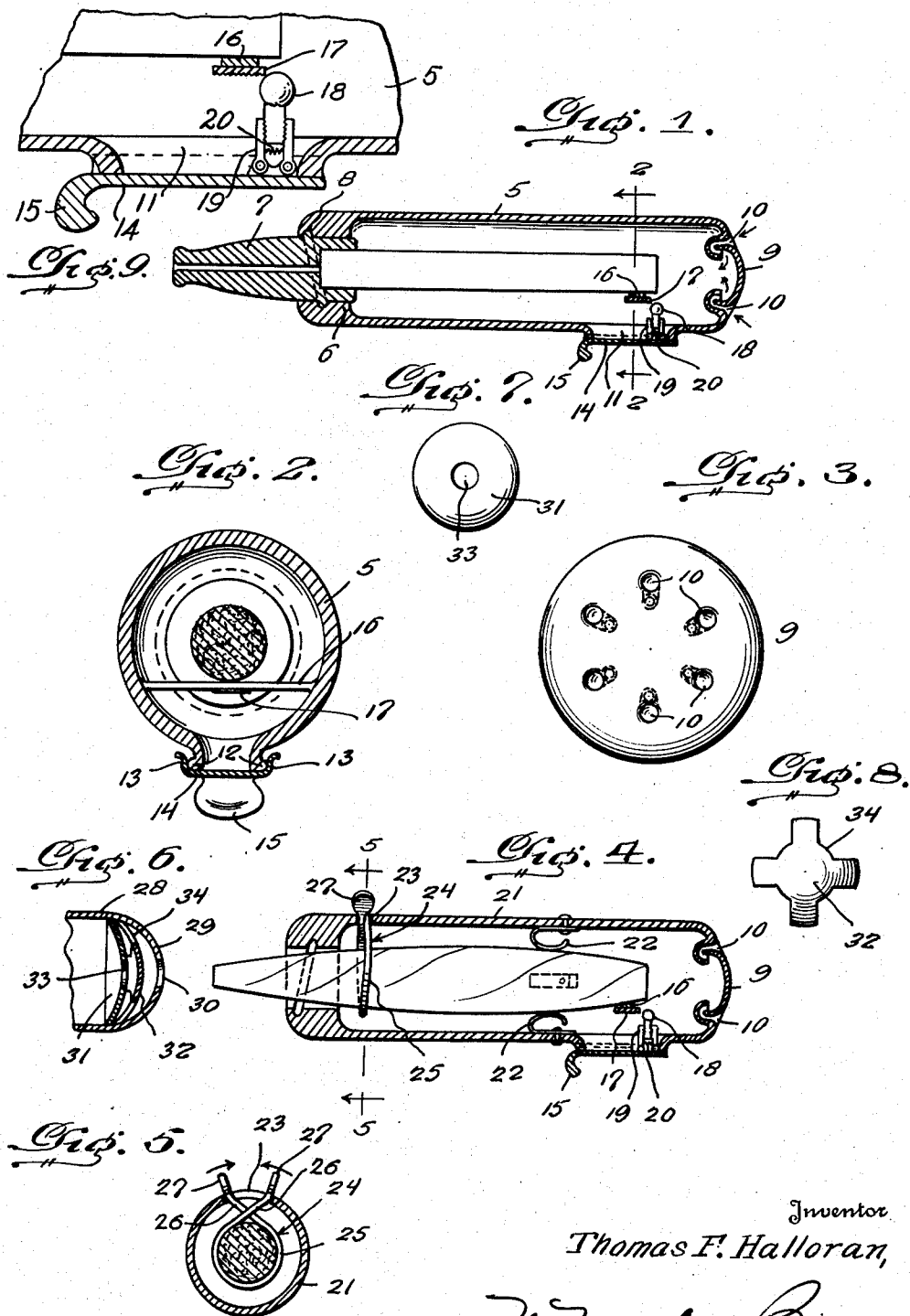
Jan. 2, 1945.

T. F. HALLORAN

2,366,686

SAFETY NONGLOW CIGARETTE OR CIGAR SHIELD

Filed Dec. 1, 1943



Inventor
Thomas F. Halloran,

By *Mc Morrow and Birman*
Attorneys

UNITED STATES PATENT OFFICE

2,366,686

SAFETY NONGLOW CIGARETTE OR
CIGAR SHIELD

Thomas F. Halloran, New York, N. Y.; Clara I.
Halloran administratrix of said Thomas F.
Halloran, deceased

Application December 1, 1943, Serial No. 512,500

7 Claims. (Cl. 131—185)

This invention relates to a safety non-glow cigarette or cigar shield, and has for the primary object the provision of a device of this character which will prevent light from a burning cigarette or cigar from being observed and the scattering or falling of sparks or ashes therefrom, consequently a person employing the device may smoke within blackout areas and also where there is danger of creating fire from sparks or hot ashes.

Another object of this invention is the provision of a conveniently operated means for emptying the accumulated ashes and which provides a part of a means for the igniting of the cigar or cigarette arranged within the device.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts which will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a vertical sectional view illustrating a safety non-glow cigarette or cigar shield including a mouth piece constructed in accordance with my invention.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1.

Figure 3 is an end view of the device showing the draft openings.

Figure 4 is a vertical sectional view illustrating a modified form of my invention.

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

Figure 6 is a fragmentary vertical sectional view illustrating another modified form of my invention.

Figure 7 is an end view illustrating one of the plates employed in the form of my invention shown in Figure 6.

Figure 8 is an end view showing another plate employed in the construction of the modified form of my invention shown in Figure 6.

Figure 9 is an enlarged fragmentary vertical sectional view showing the connection between the match holding jaws and also showing the pivotal connection of the jaws to the slide.

Referring in detail to the drawing, the numeral 5 indicates a substantially tubular shaped fire-proof casing, one end of which is internally thickened, as shown at 6, and provided with an opening for removably receiving a mouth piece or bit 7 provided with a spiral thread 8 to engage with a correspondingly shaped thread formed in the wall of the opening whereby the mouth piece or bit can be easily and quickly attached and detached from the casing for the purpose of permitting a cigarette to be adapted to the mouth piece or bit and then arranged within the casing,

as shown in Figure 1. It is to be understood that the mouth piece or bit can be constructed or shaped to receive a cigar for arrangement in the casing 5 so that the device is adaptable to either a cigarette or cigar. The other end of the casing 5 has a concavo convex end wall 9 in which is formed a plurality of vent passages 10 grouped in annular formation and each of a hook shaped formation arranging the inner end of the passage laterally of the outer end of the passage. The passages 10 thus formed will permit a free flow of air into the casing to support the combustion or burning of the cigarette or cigar therein, and still will conceal from view the light from the burning cigarette or cigar.

The lower wall of the casing 5 adjacent the end wall 9 is provided with a discharge opening 11 through which the ashes may spill when said opening is uncovered. The opening is preferably of elongated formation and opposite walls thereof are provided with beads 12 to be slidably engaged by curved flanges 13 formed on a cover 14 equipped with a finger piece 15. Normally, the cover 14 closes the opening 11 to prevent the escape of sparks or ashes through the opening 11. Also the passages 10 being of the shape specified will prevent the ashes or sparks from escaping from the casing 5. However, when it is desired to empty the casing of ashes, the cover is slid rearwardly uncovering the opening 11 so that the ashes may gravitate readily from the casing. The flanges 13 have edges curved outwardly from each other to facilitate snapping of said flanges off and on the beads 12 when desiring to remove and replace the cover on the case.

A supporting bar 16 is arranged in the casing 5 transversely of the latter and in close proximity to the end of a cigarette or cigar arranged in the casing prior to the latter being ignited, and has mounted thereon a scratch plate 17 for the purpose of igniting a match 18 carried by jaws 19 pivotally mounted on the cover and yieldably connected by a spring 20. The jaws support the match in a position of contacting the scratch plate 17 when the cover is moved into a position of closing the opening 11 so that the burning match may ignite the cigar or cigarette. The jaws being yieldably connected permits the match stem to be easily applied and removed from the cover, this being easily accomplished when the cover is in an open position the opening being large enough to permit the match to be easily placed in or removed from the jaws.

Thus it will be seen that a very efficient shield has been provided for a cigarette or cigar while being smoked and that it will efficiently hide from view the burning of the cigarette or cigar and that the ashes or sparks will be prevented from scattering as to create a fire hazard. Further, it will be seen that the ashes may be easily re-

moved from the device and at that time a match arranged so that on the closing of the cover of the casing the match will be ignited for the purpose of lighting the cigar or cigarette thereafter arranged within the casing.

Referring to my modified form of the invention as shown in Figures 4 and 5, it will be seen that the casing 21 is substantially of the same construction as the construction of the casing 5 and that the mouth piece 7 is removed so that in the use of the device the smoker may place the cigar or cigarette directly in the mouth for smoking and to support the cigar or cigarette within the casing 21, spring fingers 22 are secured on the casing and arranged interiorly thereof to engage the cigar or cigarette. Further, the casing is provided with a slot 23 arranged adjacent the thickened portion in which is mounted a contractible clamp 24 adapted to receive and grip the cigar or cigarette to cooperate with the spring fingers 22 in supporting the casing on the cigar or cigarette for use as specified.

The spring clamp 24 includes an annular portion 25 with overlapped diverging end portions 26 extending through the slot 23 and terminating in finger pieces 37. Movement of the finger pieces in the direction of each other as indicated by the arrows in Figure 5 will bring about expansion of the annular portion 25 of the clamp 24 so that the cigar or cigarette may be passed freely therethrough. As soon as the finger pieces are released the annular portion contracts on the cigar or cigarette and with the end portions extending through the slot 23 of the casing, the cigar or cigarette will be firmly clamped and supported in the casing along with the additional support received from the spring fingers 22.

Referring to my modified form of the invention as shown in Figures 6 to 8 inclusive, the casing 28 is provided with a concavo convex end wall 29 provided with a vent opening 30 arranged axially of the casing 28 to vent said casing. Arranged within the casing 28 and spaced from each other are concave convex baffle plates 31 and 32. The baffle plate 31 has an opening 33 aligning with the opening 30 while the baffle plate 32 is provided with a series of cutouts 34 arranged laterally of the openings 33 and 30. The baffle plates may frictionally engage the walls of the casing 28 and thereby be retained within the casing adjacent the opening 30 and are spaced a limited distance from each other so that air may readily enter the casing to support the burning of the cigar or cigarette therein, and still prevent the light from the burning cigar or cigarette from being seen exteriorly of the casing.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

1. In a shield of the character described, a casing having one end constructed to permit a cigar or cigarette arranged in said casing to be smoked and having its opposite end provided with an end wall, said end wall including a construction to admit air to the casing and to conceal from view exteriorly of the casing light from the burning cigar or cigarette, and means carried by said casing for emptying ashes therefrom and providing a support for a match movable there-

by within the casing to be ignited for lighting the cigar or cigarette.

2. In a shield of the character described, a casing having one end constructed to permit a cigar or cigarette arranged in said casing to be smoked and having its opposite end provided with an end wall, said end wall including a construction to admit air to the casing and to conceal from view exteriorly of the casing light from the burning cigar or cigarette, means carried by said casing for emptying ashes therefrom and providing a support for a match movable thereby within the casing to be ignited for lighting the cigar or cigarette, and a striker strip arranged in the casing to be engaged by the match.

3. In a shield of the character described, a casing having an opening in one end to permit a cigarette to be arranged within said casing and having its opposite end provided with an end wall, said end wall having curved passages formed therein with the inner ends of the passages arranged laterally of the outer ends of the passages, and means for supporting the cigarette in the casing.

4. In a shield of the character described, a casing having an opening in one end to permit a cigarette to be arranged within said casing and having its opposite end provided with an end wall, said end wall having curved passages formed therein with the inner ends of the passages arranged laterally of the outer ends of the passages, and a mouth piece removably secured in the first named end of the casing to receive and support the cigarette.

5. In a shield of the character described, a casing having an opening in one end to permit a cigarette to be arranged within said casing and having its opposite end provided with an end wall, said end wall having curved passages formed therein with the inner ends of the passages arranged laterally of the outer ends of the passages, a mouth piece removably secured in the first named end of the casing to receive and support the cigarette, said casing having a discharge opening, and a cover slidably mounted on the casing for opening and closing said discharge opening.

6. In a shield of the character described, a casing having an opening in one end to permit a cigarette to be arranged within said casing and having its opposite end provided with an end wall, said end wall having curved passages formed therein with the inner ends of the passages arranged laterally of the outer ends of the passages, a mouth piece removably secured in the first named end of the casing to receive and support the cigarette, said casing having a discharge opening, a cover slidably mounted on the casing for opening and closing said discharge opening, tension jaws pivotally mounted on the cover to receive and grip a match for the support thereof within the casing, and a striker plate arranged in the casing.

7. In a shield of the character described comprising a casing adapted to have a cigarette mounted therein and having an end wall provided with an opening arranged axially of said casing, and spaced baffle plates arranged in said casing adjacent said opening and one of said baffle plates having an opening aligning with the first named opening and the other baffle plate having cutouts arranged laterally of said opening.

THOMAS F. HALLORAN.