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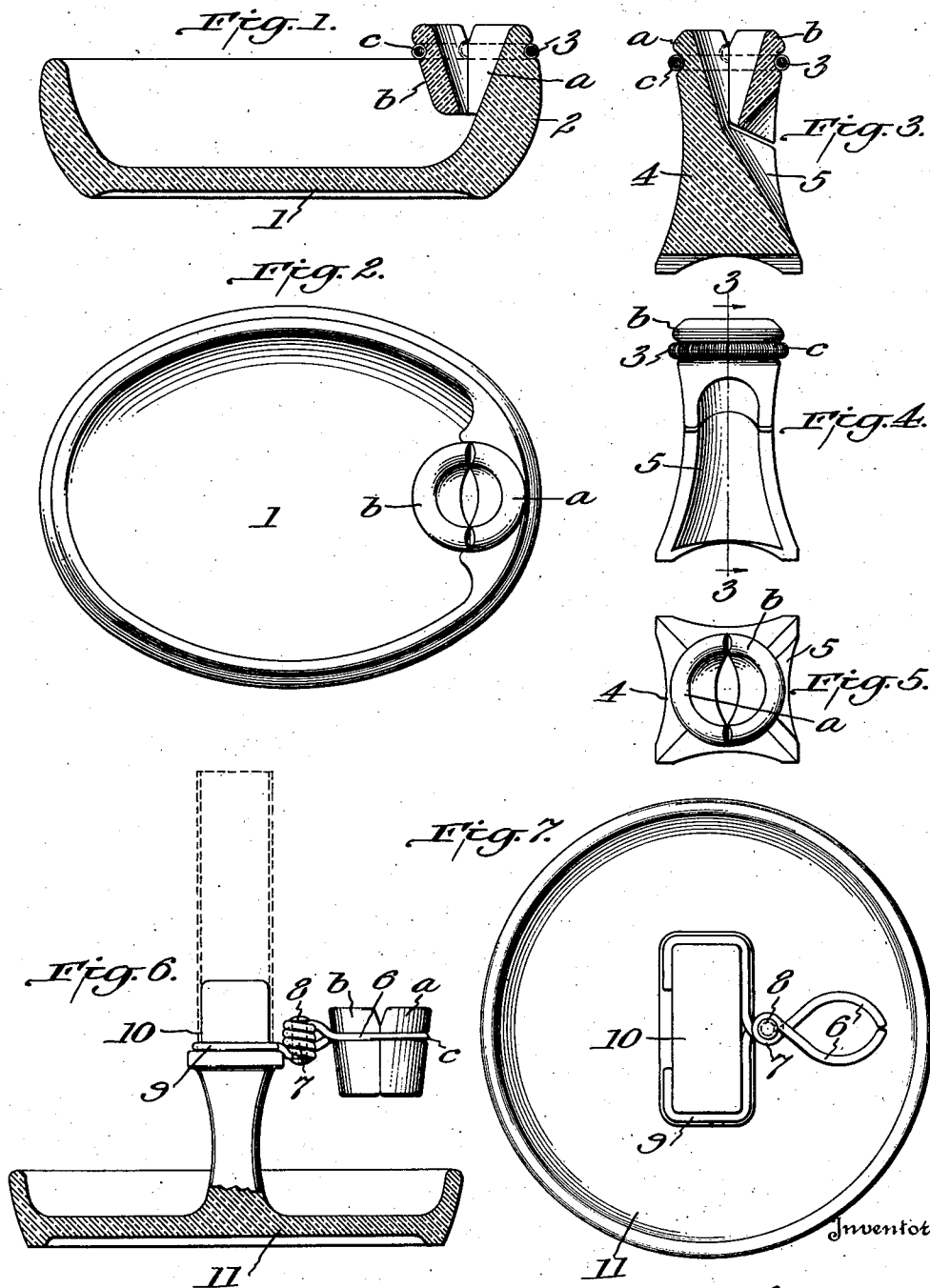
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CIGAR OR CIGARETTE EXTINGUISHER

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2 Sheets-Sheet 1



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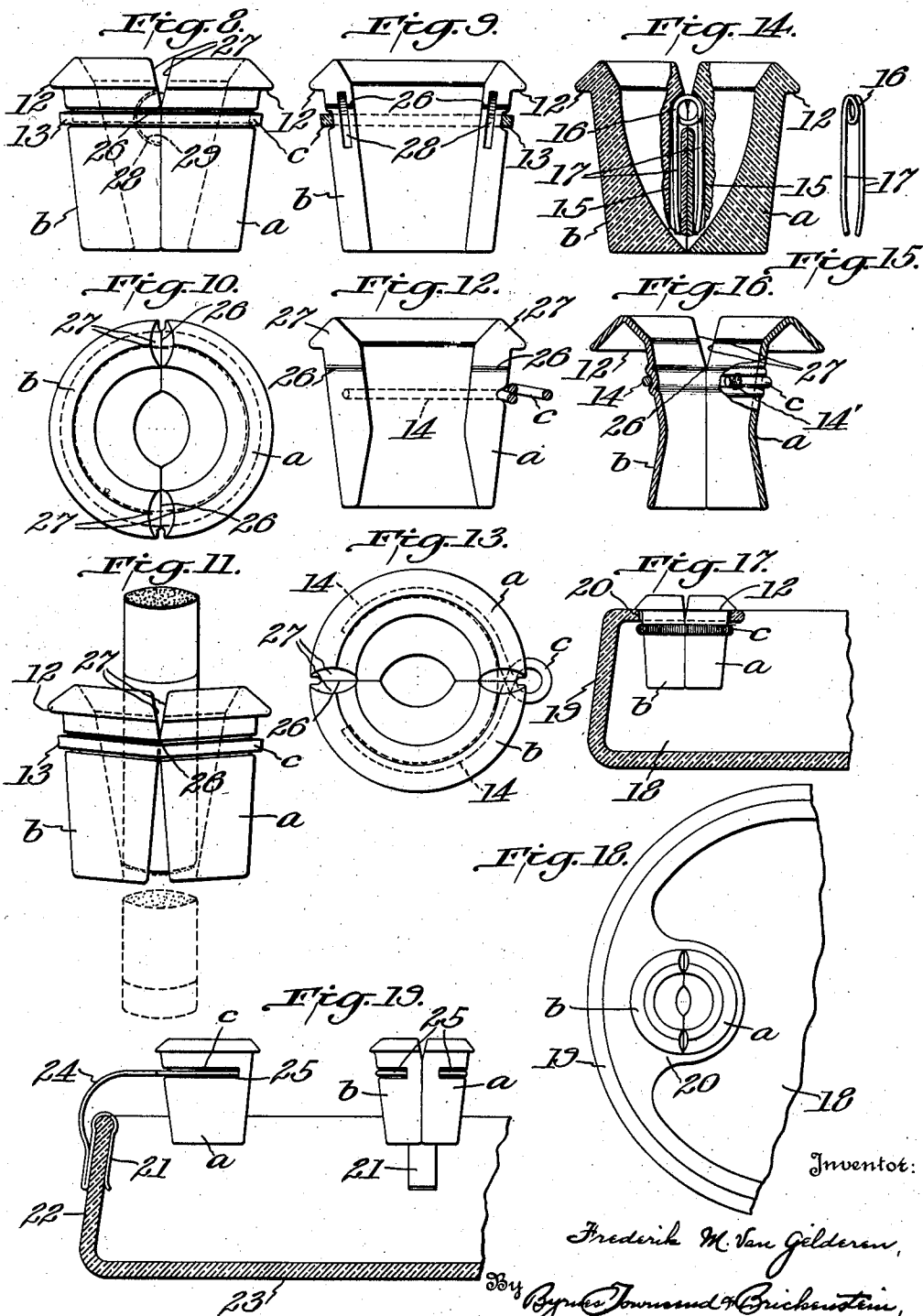
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CIGAR OR CIGARETTE EXTINGUISHER

Application filed March 10, 1928, Serial No. 260,791, and in the Netherlands July 7, 1927.

This invention relates to cigar or cigarette extinguishers which may form a part of, or be associated with, an ash tray.

One object of the invention is to provide an extinguisher, of the type mentioned, which is so constructed as to receive the butt or unsmoked portion of a cigar or cigarette and hold same while it is extinguished or smothered, and adapted subsequently to successively receive a series of such cigar or cigarette butts for a like purpose, each of the butts, as it is inserted in the extinguisher serving to eject the one which preceded it, thereby obviating the necessity for clearing or cleaning the extinguisher of extinguished butts, or of handling the butts after they have been placed in the extinguisher.

Another object of the invention is to provide an extinguisher of such construction that it will be effective to extinguish both cigars and cigarettes of varying diameter and cross-sectional conformation.

A further object is to so construct the extinguisher that, when it forms a part of or is associated with an ash tray, the successive extinguished cigar or cigarette butts inserted in and ejected from it will automatically pass or fall into the ash tray.

With the foregoing and other objects, such as sturdy construction, attractive and ornamental appearance and adaptability to fabrication from a choice of suitable materials, in view, the invention consists in a cigar or cigarette extinguisher preferably of bi-partite form, the parts thereof being resiliently connected and forming between them a bore for the reception of a plurality of successively presented cigar or cigarette butts, and adapted while a butt is therein to so hold the same that its fire will be extinguished or smothered. And the invention consists, further, in various means for resiliently connecting the parts of the extinguisher, to the end that it may operate easily and effectively, and in various other features, as I will proceed now to explain and finally claim.

In the accompanying drawings illustrating the invention, in the several figures on which like parts are similarly designated,

Fig. 1 is a longitudinal vertical sectional

view of an ash tray, one type of extinguisher embodying the features of my invention forming a part thereof;

Fig. 2 is a top plan view of the embodiment of Fig. 1;

Fig. 3 is a transverse vertical sectional view on line 3—3 of Fig. 4;

Fig. 4 is a side elevation, looking at the right-hand side of Fig. 3, and

Fig. 5 is a top plan view of the extinguisher of my invention embodied in a stand for association with an ash tray.

Fig. 6 is a sectional elevation of a combined ash tray and match-box holder with an extinguisher applied thereto as an accessory.

Fig. 7 is a top plan view of the embodiment shown in Fig. 6, but with the bore-forming parts of the extinguisher removed.

Fig. 8 is an enlarged detail elevation of one form of my invention.

Fig. 9 is an inside view of one of the bore-forming parts of Fig. 8.

Fig. 10 is a top plan view of the parts shown in Fig. 8.

Fig. 11 is a side elevation similar to Fig. 8, but illustrating the operation of the device.

Fig. 12 is a view similar to Fig. 9 but showing a modified form of bore and resilient connecting means.

Fig. 13 is a top plan view of an extinguisher formed of parts such as that shown in Fig. 12.

Fig. 14 illustrates a further modification of the form of bore and resilient connecting means.

Fig. 15 is a perspective view of the resilient means of Fig. 14.

Fig. 16 shows, in vertical section, one form of extinguisher formed of sheet metal.

Fig. 17 is a sectional elevational view, and

Fig. 18 is a top plan view showing an ash tray provided with means for association therewith of extinguishers of the types illustrated in Figs. 8 to 16.

Fig. 19 shows, in sectional elevation, a modified means for associating my extinguishers with an ash tray.

All of the embodiments of my invention illustrated, whether formed as a part of, or adapted for association with, an ash tray, have essential features in common, in that each

has a body portion preferably composed of two substantially similar complementary, bore-forming members *a* and *b*, and a resilient connecting member *c* which holds the members *a* and *b* in relative operative position, although in the several embodiments these elements may take various forms.

In Figs. 1 and 2, wherein I show my device as forming a part of an ash tray 1 of ceramic material or glass or other molded or pressed fire-resistant substance, the bore-forming member *a* is formed integrally with the rim 2 of the tray and the member *b* is a separate member held in operative relation to the member *a* by means of the resilient member *c* which takes the form of a spiral or helical spring ring 3.

In Figs. 3, 4 and 5, the member *a* is formed as an integral part of a stand 4 adapted to be positioned in an ash tray or other receptacle for the cigar or cigarette ashes and butts, and the member *b* is a separate member operatively associated with the member *a* by member *c* which is again shown in the form of a spiral or helical spring ring. The stand 4 is provided on one face with a recess or channel 5 down which the ejected cigars or cigarette butts may pass into the receptacle in which the device is positioned.

In the form shown in Figs. 6 and 7, the members *a* and *b* are separate similar complementary parts and the member *c* takes the form of a pair of spring arms 6—6 which are the termini of a resilient coil 7 exerting a closing force upon them and forming a means of connection by a bolt or rivet 8 with a spring clasp 9 by which the extinguisher is mounted upon the match-box supporting pedestal 10 of an ash tray 11.

In Figs. 8, 9, 10 and 11, the members *a* and *b* are similar to those of Fig. 6, but are provided with a top bead 12, for a purpose explained in connection with Figs. 17 and 18, and the member *c* is an elastic or rubber band 13.

In Figs. 12 and 13, the members *a* and *b* are similar to those last described, though of somewhat different internal conformation, but the member *c* takes the form of a resilient spring clip 14 partially encircling the members *a* and *b*, as do the arms 6—6 of the form of the invention shown in Fig. 6.

In Fig. 14, the abutting faces of the members *a* and *b* are recessed, as at 15—15 and provided with a resilient fulcral or pivotal member 16 which, in this modification, is the member *c* of the combination. This member 16 is provided with legs 17—17 extending into the recesses 15—15 and serving to hold the members *a* and *b* in proper relative position.

In Fig. 16 the members *a* and *b* are formed of metal, as distinguished from the ceramic material or glass of the other forms of the invention, and the member *c* is again shown

as a resilient spring clip 14. The spring clip is preferably soldered or welded to the members *a* and *b*, as indicated at 14'.

In Figs. 17 and 18 I illustrate one manner in which extinguishers such as those shown in Figs. 8 to 16 may be associated with an ash tray. As shown, the ash tray 18 may be provided at the top of its rim 19 with one or more sockets 20 in each of which an extinguisher may be supported by means of its bead 12. In applying the extinguishers to a tray thus fashioned, the members *a* and *b* are assembled and slipped into the socket 20 and then the resilient members *c* are applied from below. In this manner the extinguishers are positioned in the sockets and limited as to vertical or axial movement by the beads 12 and resilient members *c*.

Obviously, if the form of extinguisher shown in Fig. 14 were used with the ash tray just described, it would be assembled with its resilient member 16 in place and dropped into a socket, from which it could be removed bodily at will.

In Fig. 19 I show another means for mounting the extinguishers upon, or associating them with, an ash tray. In this modification, I provide spring clips 21 properly formed for engagement with the rim 22 of an ash tray 23. These clips 21 are provided with support extensions 24 terminating in pairs of resilient arms 25—25 which embrace the members *a* and *b* as do the members 6 and 14 of Figs. 6 and 12, respectively.

In all of the forms of the invention, the members *a* and *b* are formed with fulcral points 26 above which they are cut away or chamfered, as indicated at 27, so that the lower ends of the members may cam apart to permit the bore to expand under the influence of a cigar or cigarette butt inserted from above, as shown in Fig. 11, and may grip such cigar or cigarette butt to extinguish it and thereafter release it when another is inserted. (See dotted lines, Fig. 11.)

In those forms of the invention, such as shown in Figs. 1 to 5, 8 to 11 and 17, where a resilient member *c* having very little relative axial rigidity is used, I provide the members *a* and *b* with complementary recesses 28 and lugs 29 adjacent to the fulcral points 26 so that their proper axial relationship may be maintained during service. This type of members may be used also where resilient members *c* such as those shown in Figs. 6, 12 and 19 are employed, if desired, but that is not essential.

In all the forms of the invention, the resilient member *c* is so positioned relatively to the fulcral points 26 as to exert a closing influence upon the lower portions of the members *a* and *b*, so that, normally, the extinguishers appear as shown in all of the figures but Fig. 11.

As shown, the conformation of the cigar or

cigarette receiving bore formed by the interiors of the members *a* and *b* may be varied, and it may have an open lower end, as shown in most instances, or a closed end, as shown in Fig. 14. But all are so formed as to receive and extinguish cigar or cigarette butts of various dimensions, and thereafter discharge or release same when other butts are inserted.

Obviously, the various types of resilient members *c* are alternatives, and any or all of same may be employed as desired.

By making the members *a* and *b* of ceramic material or glass, as is the preferred form of the invention, I not only provide an attractive and symmetrical appearance but employ the inherent coolness or cooling effect of such materials to aid in extinguishing the cigars or cigarettes. However, as is apparent from the modification illustrated in Fig. 16, the device, whether formed as an accessory or as a part of an ash tray, lends itself to fabrication from sheet metal or other fire-resistant sheet material.

I am aware that extinguishers capable of receiving and discharging a successive series of cigarette butts have been provided as parts of ash trays, but I am not aware of any such, or of other types, having the characteristics and adaptability of those of my invention whereby cigars or cigarettes of various dimensions may be accommodated.

Moreover, aside from this marked advantage, I am not aware of any devices of this character having the features evidenced by my constructions which make them adaptable to ready replacement and repair.

Although I have shown a variety of forms in which my invention may be embodied, it is obvious that I have not illustrated all of the forms which it may be made to take, and it is to be understood, therefore, that various changes and modifications are deemed to be within the spirit of the invention and the scope of the following claims.

I claim:

1. A cigar or cigarette extinguisher, having a body portion providing a bore for the reception of a cigar or cigarette, said body portion being formed of a plurality of members, and means for normally holding said members in body-forming position but yielding under pressure of a cigar or cigarette introduced axially of said bore to permit said body portion to expand and contract to receive and grip the cigar or cigarette inserted in said bore.

2. A cigar or cigarette extinguisher, having a body portion providing a bore, said body portion being formed of a plurality of members, and means for yieldingly holding said members in body-forming position, said yielding means permitting said body portion to expand under the pressure of a cigar or cigarette introduced axially of said bore,

whereby a cigar or cigarette so introduced will be gripped by the contraction of said body portion and will be subsequently released and discharged from said body portion when another cigar or cigarette is introduced in said body portion and axially of said bore.

3. A cigar or cigarette extinguisher, having a body portion formed of a pair of complementary bore-forming members, resilient means for holding said members in bore-forming relation, and fulcral points on said members about which they may pivot to permit said body portion to expand upon insertion of a cigar or cigarette in said bore.

4. A cigar or cigarette extinguisher, having a body portion formed of a pair of similar complementary bore-forming members, resilient means for holding said members in bore-forming relation, and fulcral points on the adjacent faces of said members and upon which they may pivot to permit said body portion to expand upon the insertion of a cigar or cigarette in said bore, said resilient member causing said cigar or cigarette to be gripped by said members.

5. The invention as set forth in claim 3 in combination with means for supporting said extinguisher with the lower end of the bore thereof positioned above the bottom of an ash tray.

6. The invention as set forth in claim 3, wherein one of said bore-forming members is integral with the rim of an ash tray.

In testimony whereof I affix my signature.
FREDERIK MARINUS van GELDEREN.

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