

May 6, 1924.

1,492,564

J. B. HELLER

CIGARETTE CHOKING DEVICE

Filed Dec. 21, 1922

3 Sheets-Sheet 1

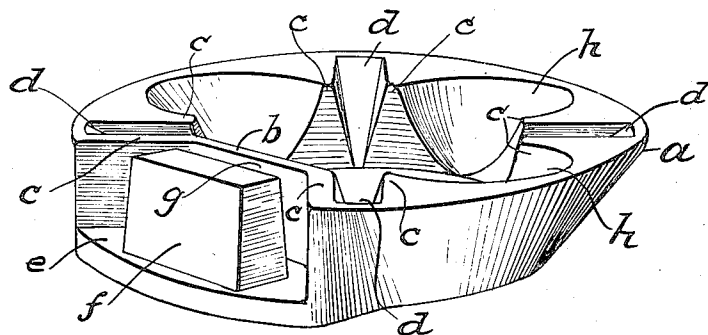


FIG. 1.

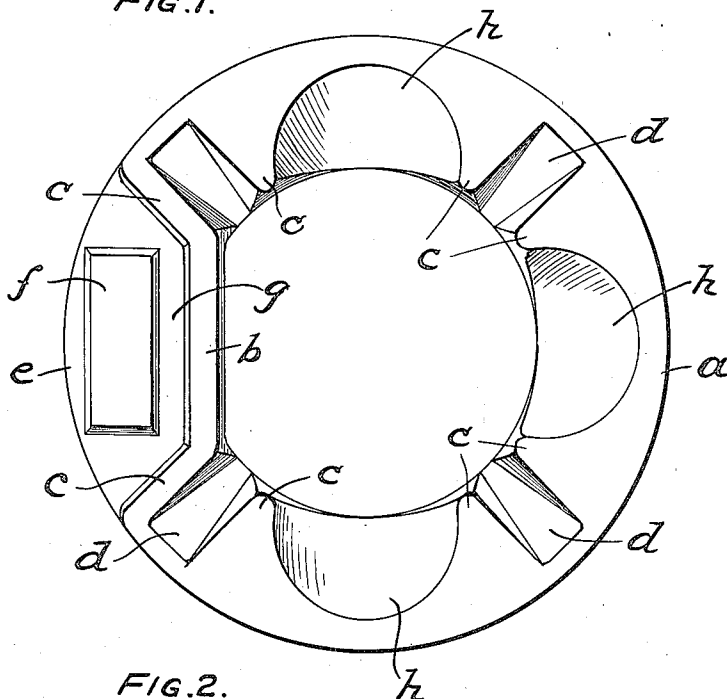


FIG. 2.

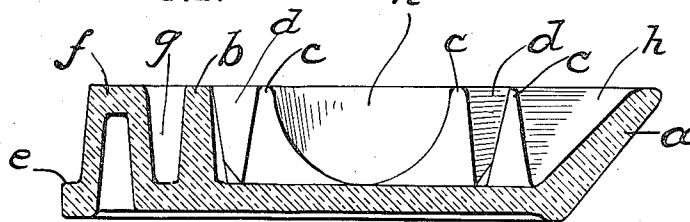


FIG. 3.

WITNESS:

Robt. R. Kitchel.

INVENTOR

Jesse B. Heller

BY

Frank S. Bussan
ATTORNEY.

May 6 , 1924.

1,492,564

J. B. HELLER

CIGARETTE CHOKING DEVICE

Filed Dec. 21, 1922

3 Sheets--Sheet 2

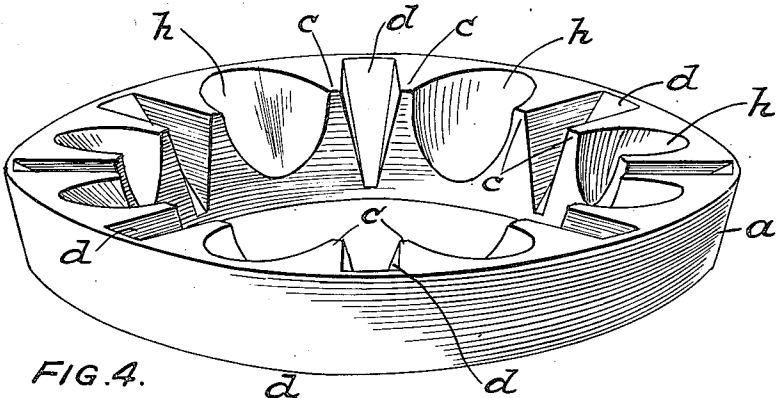


FIG. 4.

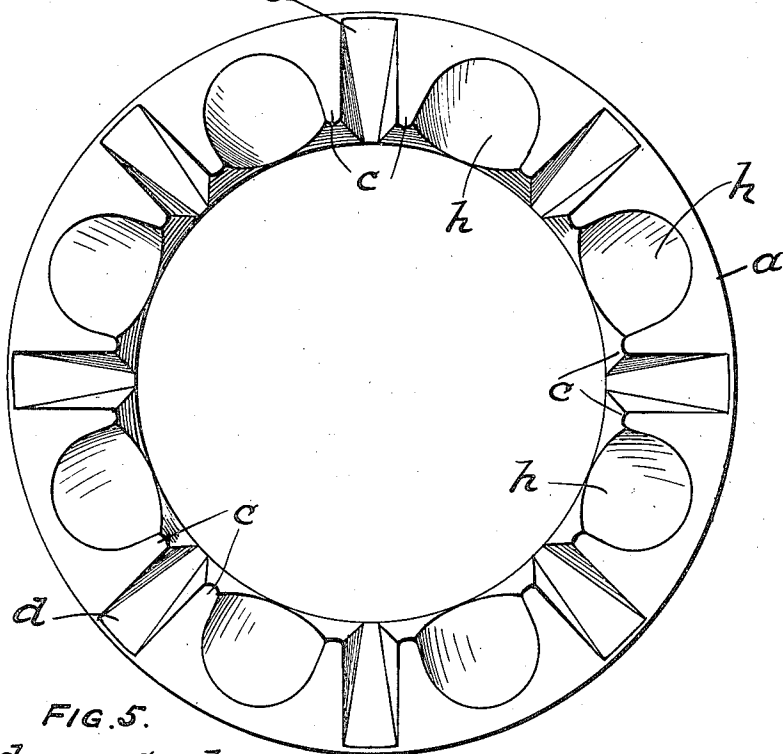


FIG. 5.

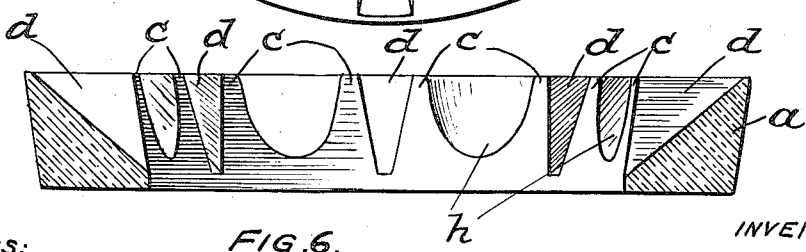


FIG. 6.

WITNESS:

Wm. R. Kitchel

INVENTOR

Jesse B. Heller

BY

Frank S. Bussell
ATTORNEY.

May 6, 1924.

1,492,564

J. B. HELLER

CIGARETTE CHOKING DEVICE

Filed Dec. 21, 1922

3 Sheets--Sheet 3

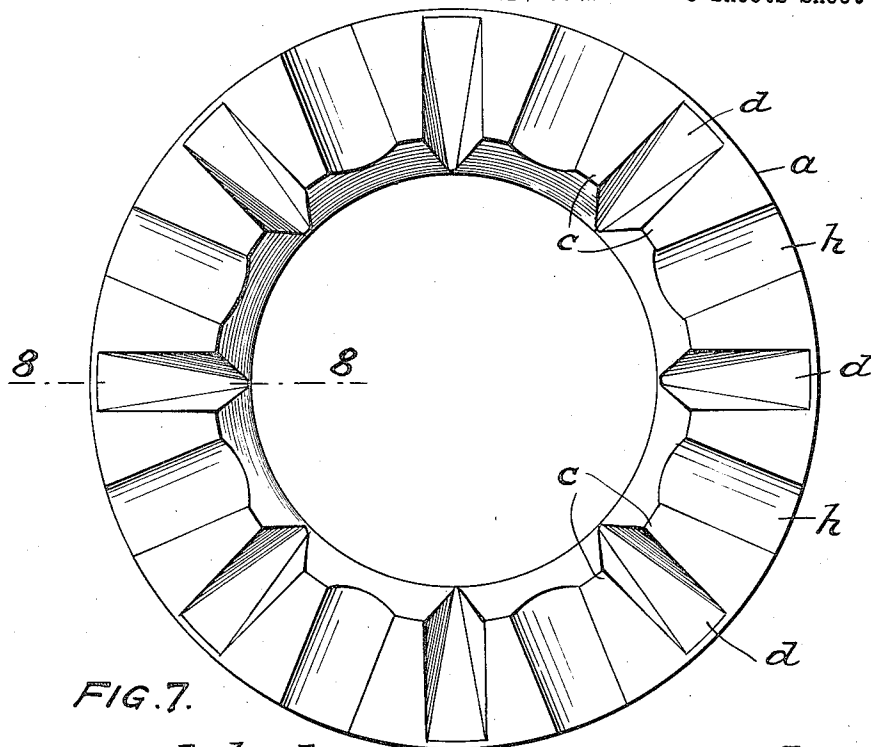


FIG. 7.

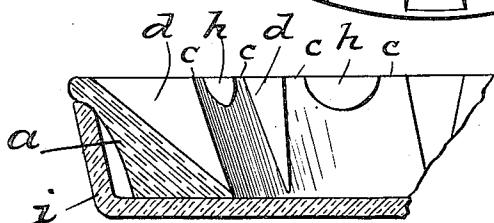


FIG. 8.

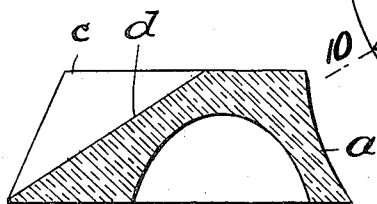


FIG. 10.

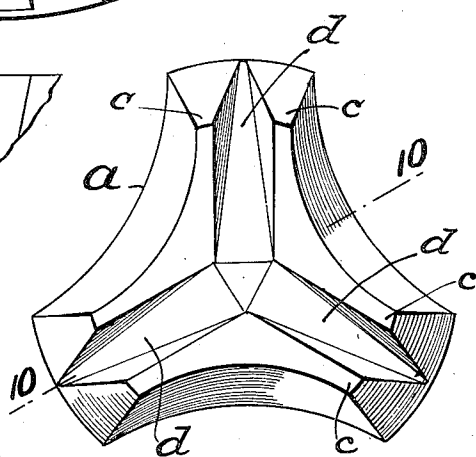


FIG. 9.

WITNESS:

Robt. R. Kitchel.

INVENTOR

Jesse B. Heller

BY

Frank S. Bussan
ATTORNEY.

UNITED STATES PATENT OFFICE.

JESSE B. HELLER, OF HADDON HEIGHTS, NEW JERSEY, ASSIGNOR TO GRIFFIN CHO-KR COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

CIGARETTE-CHOKING DEVICE.

Application filed December 21, 1922. Serial No. 303,175.

To all whom it may concern:

Be it known that I, JESSE B. HELLER, a citizen of the United States, residing at Haddon Heights, county of Camden, and State of New Jersey, have invented a new and useful Improvement in Cigarette-Choking Devices, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to smokers' articles, such as choking devices for cigarettes, and more particularly to chokers combined with ash trays or which may be used in combination with ash trays.

One of the objects of my invention is to provide a device of this character which is more sanitary than those now known to the art, and in which the choking cavity or cavities are so shaped that there are no corners to obstruct the movement of ashes, etc. so that the cavities can readily be flushed and wiped.

Another object of my invention is to provide such a device in which the cavity is adapted to choke cigarettes one after the other in such a manner that the cigarette being choked will force the previously choked cigarettes from the cavity. This is accomplished by forming a cavity having a relatively wide open top, a front opening, side walls converging toward each other from the top to a combined bottom and rear wall, the side walls having substantially plane surfaces extending from the top and front opening to the combined bottom and rear wall, while the other or combined bottom and rear wall extends downwardly and forwardly from the rear of the cavity and the top thereof to the bottom of the front opening, and gradually decreases in width from the upper and rear end to the lower and front end, so that the cavity converges from all points to the bottom of the front opening.

A still further object of my invention is to provide an ash tray having choking cavities and means for holding box or packet matches; the means for holding the packet matches being formed between the walls for the choking cavities, ash cavity and means for holding the box matches, within the planes of the tray.

Fig. 1 of the drawings is a perspective view of one form of ash tray to which my invention has been applied.

Fig. 2 is a plan view of the tray shown in Fig. 1.

Fig. 3 is a vertical sectional view through Fig. 2.

Fig. 4 is a perspective view of a ring to which my invention has been applied and which is adapted to be inserted in a tray.

Fig. 5 is a plan view of the ring shown in Fig. 4.

Fig. 6 is a sectional view of the ring shown in Fig. 5.

Fig. 7 is a plan view of another form of ring.

Fig. 8 is a sectional view of a portion of the ring shown in Fig. 7 together with a portion of a tray therefor.

Fig. 9 is a plan view of another form of device adapted for use with a tray.

Fig. 10 is a sectional view on line 10—10 of Fig. 9.

In the form shown in Figs. 1-3, I have shown a combined ash tray and choker having a projection for the reception of a box of safety matches, as well as a recess for the reception of a packet of matches, between said projection, a wall of the ash tray, and two walls bounding two of the choker cavities. In these views, the reference character *a* designates the body portion of the device having radially extending projection *c*, *c* and choking cavities *d* between said projections. In this form, there are four sets of such projections and four cavities *d*, one between each set of projections. Each cavity has two triangular side walls which converge and preferably slope toward each other from the top of the cavity to a combined rear and bottom wall. The combined rear and bottom wall of each cavity slopes downwardly and inwardly from the top of the body to a central ash receiving receptacle. This latter wall tapers from the upper end to the lower end thereof, and as all of the walls have plane surfaces, the cavities gradually decrease in size as the bottoms of the outlet openings from the cavities to the ash receiving receptacles are approached. It will, therefore, be seen that cavities can readily be cleaned, and cigarette butts can readily be pushed from the cavities

into the ash receptacle. The top opening or entrance to these cavities is substantially of rectangular form and is slightly wider than the diameter of a cigarette, while the bottoms of the openings leading to the ash receptacle are relatively narrow, so that when a cigarette is forced into a cavity the end will be wedged between the walls to choke the cigarette before the end of the cigarette reaches the outlet to the ash receptacle. When it is desired to choke a second cigarette in a cavity containing a choked butt, the second cigarette is inserted in the cavity in back of the wedged butt therein, that is, between the butt and the periphery of the structure and the second cigarette is forced downwardly in the cavity. The lower end of the cigarette will be forced along the bottom or end wall until the lower end thereof is wedged between the walls and thereby choke the cigarette. If the second cigarette to be choked is not wedged before it reaches the previously choked butt, the first butt will be forced toward the ash receptacle by the second cigarette until the second cigarette is wedged between the walls. The choked butts in a cavity can readily be dislodged and moved toward the ash receptacle by a cigarette being choked which is forced downwardly and forwardly, and as there is no downward pressure on the previously choked butt or butts, they can readily be dislodged by subsequent cigarettes being choked.

b is a vertical wall of the ash receptacle extending from a projection *c* of one set to an adjacent projection *c* of another set. *f* is a projection extending upwardly from a base *e* which is an extension of the bottom of the ash tray. The projection *j* is arranged to receive a small box of matches of the well known type, and *g* is a recess between the projection *f*, wall *b*, and the above mentioned projections *c* for the reception of a packet or book of safety matches. *h*, *h* are three recesses between adjacent sets of projections, which slope toward the ash receptacle and are arranged for holding cigars, cigarettes, etc.

In Figs. 4-6, I have shown a ring adapted to be positioned in a suitable tray and in which I have shown choking cavities *d*, which are constructed in accordance with my invention.

In Figs. 7 and 8, I have shown another form of ring within an ash receiver *i*. In

this form, the cavities *h* are provided with horizontal bottoms.

In Figs. 9 and 10, I have shown a third form adapted to be placed in a tray, and in which I have shown three radially disposed sets of projections *c*, *c* and three choking cavities *d*.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:—

1. A cigarette choker comprising a body portion with a choking cavity therein, said cavity having an open top into which the cigarettes are inserted for choking and an open front through which ashes and choked cigarettes can pass from the cavity, characterized by the fact that the cavity is bounded by two side walls and a combined bottom and rear wall, the side walls converging toward each other from top to bottom, while the other wall slopes from the top and back of the cavity to the bottom of the front opening and gradually decreases in width from the back of the cavity to the front opening.

2. An ash tray having a central ash receiving depression and a plurality of radially disposed cigarette choking cavities communicating therewith, each cavity being open at the top and having three walls, the side walls being of triangular form, while the bottom is of greater width at the outer end than at the inner end where it merges into the bottom of the ash receiving depression.

3. An ash tray having a centrally disposed ash receiving depression formed between a transversely disposed substantially vertical wall and arcuate sloping wall, sets of projections extending upwardly from the sloping wall having inner walls converging from the top to the bottom, there being a cigarette choking cavity between each set of projections formed by the sloping wall and the inner faces of the projections, and a match box shell receiving projection between the periphery of the tray the transverse wall and adjacent projections of two sets, there being a book match receiving recess between the three projections last mentioned and the transverse wall.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pa., on this 16th day of December, 1922.

JESSE B. HELLER.