Feb. 17, 1942. E. G. SIMPSON 2,273,335

ASH TRAY

Filed Jan. 22, 1940

Fig. 1.

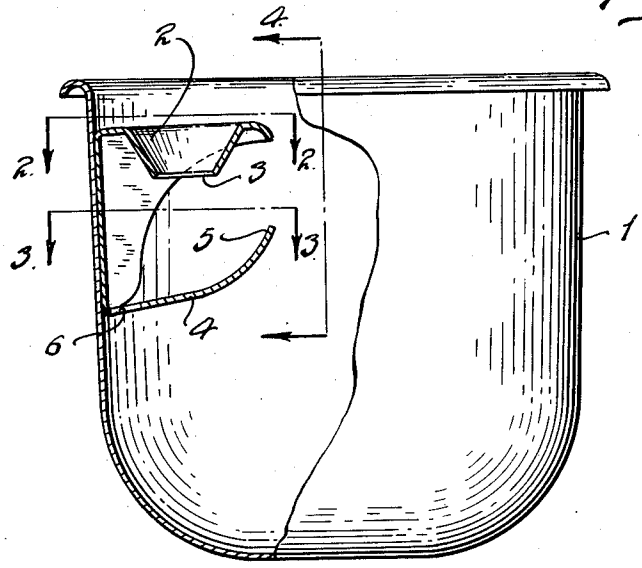


Fig. 2.

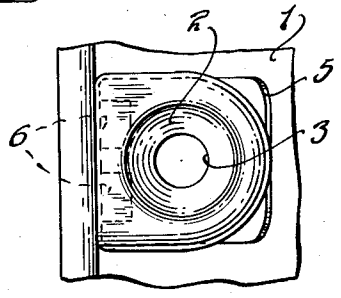
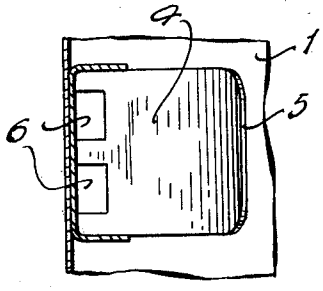


Fig. 3.



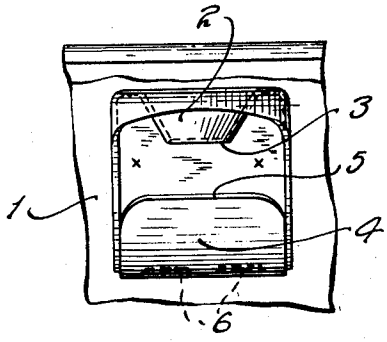


Fig. 4.

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ASH TRAY

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Application January 22, 1940, Serial No. 314,953

4 Claims. (Cl. 131—235)

This invention relates to ash trays. It has for its object an improved ash tray and live coal snuffer. The combination of an ash receptacle and a ring or similar device in which the live coal on the end of a cigarette or a cigar may be snuffed is to be found in the art. These have been used but it has been found that the snuffer, instead of completely extinguishing the live end of the cigarette or cigar, often separates the live coal from the remainder of the cigarette or cigar and drops the coal into the bottom of the receptacle. The car owners very often drop paper therein. The result is that frequently these live coals set fire to the paper in the ash receptacle and cause smoke and annoyance.

It is the object of the present invention to obviate this by a simple device which will tend to extinguish the coal before it is dropped into a partition where it can ignite any waste paper, matches, etc., in the bottom of the receptacle.

In the drawing:

Fig. 1 is an elevation of the receptacle showing my improved snuffer and live coal safety device.

Figs. 2, 3 and 4 are cross sections on the similarly numbered lines of Fig. 1.

1 designates the receptacle which is here shown as a deep bowl but might be a box or any other kind of a receptacle such as may be used either in the instrument board, in the arm rests, or in or on the wall of the car door.

2 designates the usual snuffer which here is shown as a ring with a countersunk or conically recessed portion leading to the opening 3. The lighted cigarette or cigar is pointed into this snuffer and then turned to be extinguished, but the live coal will often drop through the opening 3 and into the bottom of the receptacle.

My improvement consists in providing below this opening a small deck 4. This is curved at the free end as at 5 and at the other end is joined with the stamping that forms the snuffer. A pair of apertures 6 is provided. The sides of the deck are open.

The operation is as follows: The live coal is usually separated at the aperture 3 in the snuffer. It drops onto the deck 4 where it is temporarily retained. There it is allowed to smoulder and go out. The burning up is accelerated by a slight up-draft of air through the holes 6. It then becomes an ash which is sifted through the opening 6 or off the end of the deck by the vibration of the car or the slight air currents that may affect it. This deck is located substantially within the outline of the snuffer so that it will not catch any scraps of paper or other inflammable materials that are dropped. These drop past the snuffer and into the bottom of the receptacle.

What I claim is:

1. A smoker's ash receptacle for use in a vehicle having in combination, an open top container free to receive refuse, a snuffer projecting into the container near the top and leaving a large free space around the same, and a small live coal catch member registering with the snuffer therebelow and having a large free space therearound, said catch member arranged to allow the ashes to shift off with the vibrations of the vehicle.

2. A smoker's ash receptacle for use in a vehicle having in combination, an open top container free to receive refuse, a snuffer projecting into the container near the top and leaving a large free space around the same, and a small live coal catch member registering with the snuffer therebelow and having a large free space therearound, said catch member being curved upwardly at its inner end and open at its sides.

3. A smoker's ash receptacle for use in a vehicle having in combination, an open top container free to receive refuse, a snuffer projecting into the container near the top and leaving a large free space around the same, and a small live coal catch member registering with the snuffer therebelow and having a large free space therearound, said catch member being curved upwardly at its inner end and open at its sides and provided with small opening near its outer end.

4. A smoker's ash receptacle for use with a vehicle, having in combination an open top vessel, and a combined snuffer and catch member comprising a stamping spot welded to the inside of the vessel and formed at the top into a snuffer ring and having the lower end of the stamping turned in to form an upwardly curved open side live coal-catching deck.

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