July 25, 1939. H. S. SADTLER 2,167,261

CRUNCH PAD FOR THE PROTECTION AND CLEANSING OF ASHTRAYS

Filed Nov. 18, 1936

Fig. 1.

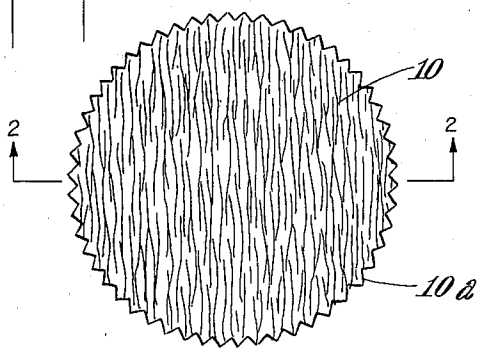



Fig. 3.

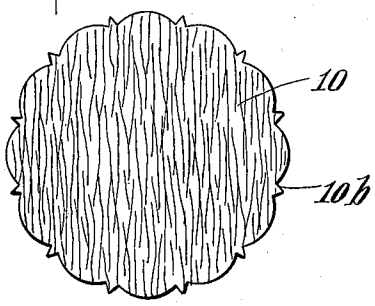



Fig. 2.

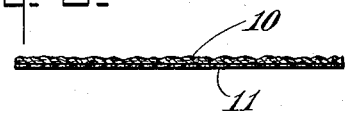



Fig. 4.

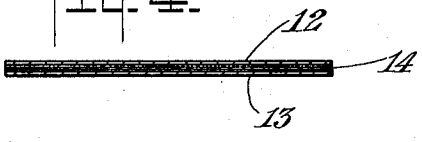



Fig. 5.

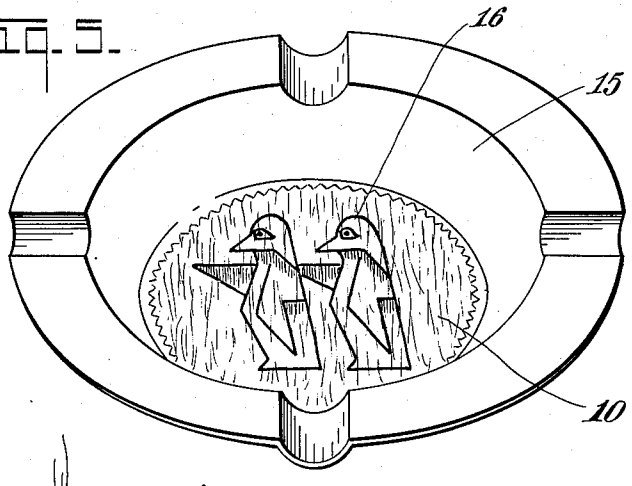
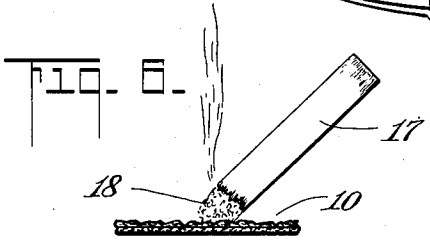



Fig. 6.




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## CRUNCH PAD FOR THE PROTECTION AND CLEANSING OF ASHTRAYS

Helena S. Sadtler, Erdenheim, Pa.

Application November 18, 1936, Serial No. 111,360

4 Claims. (Cl. 131—256)

This invention relates to removable fireproof protectors or shields for ashtrays, a new and useful device for the protection of and cleansing of ashtrays. They are especially useful for those on which cigarettes or cigars have been put out by crunching. When the hot or lit cigarette or cigar is crunched or pressed on the bottom of an ashtray without a removable protecting shield or disc, it requires considerable scrubbing or washing, or polishing to remove the stain so deposited.

These and other objects as suggested herebelow are attained by the means now to be described and illustrated in the accompanying drawing, in which—

Figure 1 is a top plan view of a preferred embodiment of this invention featuring a saw-toothed edge for ease in handling and to prevent fraying.

Fig. 2 is a cross-sectional view through the line 2—2 of Fig. 1 showing a form of the invention in which the lower surface is coated with an adhesive, particularly for use outdoors or in a wind.

Fig. 3 is a top plan view of a form of the invention showing a variation in the peripheral edge of the device, being a combination of saw-teeth and scallops.

Fig. 4 is a diametral cross sectional view of another form of the invention in which metal foil is used on both sides of an asbestos disc.

Fig. 5 is a perspective view of a typical form of ash tray showing one of the articles comprising this invention in position in the bottom of the tray, there being indicia displayed on said article to suggest either a decoration or advertisement. And Fig. 6 is a side elevational view partly in cross section showing a crunch pad (which is the name given to this invention) having a roughened upper surface similar to the form shown in the first three figures, and a cigarette having its ashes crunched out on said surface in the manner by which the invention is normally used.

Like numerals refer to like parts throughout the several views.

The form of the invention shown in Fig. 1 discloses a circular flat disc 10 having a saw-tooth edge 10a and a roughened or creased upper surface. This is made preferably of asbestos paper but it can be made of any other inexpensive fireproof or fire resistive material. The discs are stamped in quantities from the material in a stamping press.

Sometimes when it is desired to hold the crunch pad in a comparatively flat ash tray from being blown away by the wind or an inside fan, it is advisable to have a non-hardening mild adhesive applied to the bottom surface. This is shown in Fig. 2 in which the number 11 designates such layer of adhesive.

As a variation in the peripheral edge of crunch pad 10, the form shown at 10b, Fig. 3, may be used, this being a combination of scallops and saw-teeth. Of course, any other ornamental, utilitarian, or combined ornamental-utilitarian edge may be employed within the spirit of this invention.

Sometimes it is desirable to have the crunch pads double-surfaced so that when one surface has been soiled or used, it may be reversed to present a fresh and attractive-looking surface. This is suggested in the modification shown in Fig. 4 in which a relatively smooth disc 14 of non-combustible material such as asbestos paper is coated on its upper surface with a layer, for instance, of tin foil numbered 12 and another similar layer 13 on the bottom, these three elements of the article being affixed together in any suitable manner as by an adhesive.

The crunch pad is used for instance in the bottom of an ash tray of which one form is shown at 15 in Fig. 5 and in this instance the pad 10 has applied to its upper surface, as by printing or embossing, a decorative figure or advertising insignia 16, this being accomplished of course, without affecting the fire-resistive character of this surface, thereby making the crunch pads useful for decoration or—by use of written insignia—for advertising. A cigarette at 17, Fig. 6, having hot ashes 18, is positioned with its ash end downwardly to engage the upper surface of crunch pad 10, either in a slanted position as shown or vertically and a few taps of the cigarette or a twirl between the fingers results in extinguishing the latter or knocking off the loose ashes into the ash tray, and without staining or otherwise soiling the lower inside surface of said tray.

This invention provides for an inexpensive fireproof removable shield or disc that can be easily removed from an ashtray and quickly replaced with a fresh one, thus avoiding the disagreeable task of washing or polishing the ashtray.

These discs or crunch-pads can be decorated with a design printed or otherwise applied thereon, said decoration or design can portray an advertisement to an advantage. They can also be used for printed information.

These crunch-pads can be made any desired

size or shape that will lay flat on the bottom of the ashtray and can also be easily removed.

These shields or crush-pads can be made of sections of asbestos paper in disc or other form and preferably with scalloped or saw-tooth edges. Said sections can contain decorations or advertisements on either or both sides.

These shields or crunch-pads can be made of aluminum or metal foil or combination of asbestos paper on one side and metal foil on the other, same being glued or securely fastened together. The metal foil can be obtained in a variety of colors and embossing which adds to the beauty of the product or they can be made of two sheets of very thin metal foil with a thin paper fastened between preferably by an adhesive, and then preferably stamped or cut out with a saw-tooth or scalloped edge.

The underside of the so called crunch-pad or shield can be lightly coated with a film of adhesive, preferably a mild adhesive, so that the shield will but lightly adhere to the ashtray itself. This is of value when the crunch-pads are exceedingly thin and used out of doors.

One way to carry out this invention is cutting or stamping out a disc two and one-half inches in diameter, from thin asbestos paper and having printed thereon an advertisement or decoration. Other ways to carry out this invention provide for the use of metal foil instead of asbestos paper, and also combinations of asbestos paper and metal foil as already described.

I claim

1. A removable and discardable shield for the upper surface of an ashtray, consisting of a disc having an embossed upper surface whereby the ashes of a cigarette or cigar can be readily removed therefrom by moving its ash end in contacting relation over said embossed surface.

2. The invention as in claim 1, said disc being formed of fire-resistive material such as asbestos paper.

3. The invention as in claim 1, said disc being of asbestos paper with its embossed upper surface coated with metal foil.

4. The invention as in claim 1, said disc having its embossed upper surface of aluminum foil.

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