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PORTABLE AND ENVIRONMENT-PROTECTIVE SAFETY DEVICE FOR EXTINGUISHING CIGARETTES

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a portable and environment-protective safety device for extinguishing cigarettes and, more particularly, to an apparatus whose water-absorptive portion is able to be in a water-saturation state and has the non-leaking feature. When the water-absorptive portion is in contact with the water of an upper cover, the sponge will be in a moistened state. The cigarette butt to be extinguished is inserted into the extinguishing hole of the water-absorptive portion so that the cigarette butt is rapidly moistened and completely extinguished. Thereafter, it is placed in a receiving portion. Accordingly, the created whole structure is convenient for carrying while the safety and the environment-protection can be achieved.

2. Description of the Prior Art

In the current society, the trend against smoking is very popular. Consequently, many places are smoking-forbidden so that many people smoke outside. The common ways to handle the cigarette butts is either to discard them anywhere or on the ground to extinguish them with foot, or to try to extinguish them and then discard them elsewhere. However, these ways are unfriendly to the environment or cause inconvenience of smokers. Currently, to discard the cigarette butts at improper position will be fined in Taipei. Therefore, to provide a portable and environment-

protective safety device for extinguishing cigarettes will meet the demand. However, the conventional portable smoking tool is constructed as a small ash-tray with a cap. This kind of ashtray can't effectively and exactly extinguish the cigarette butt, and the remaining ash would still burn inside. It will therefore pollute the air, even it would be flammable. Moreover, it is carried in body so that the user could be burnt.

SUMMARY OF THE INVENTION

It is a primary object of the present invention to provide a portable and environment-protective safety device for extinguishing cigarettes which at least comprises an upper cover, a water-absorptive portion, an attachment portion and a receiving portion. By making use of the water-absorptive portion which is able to be in a water-saturation state and has the non-leaking feature, when the water-absorptive portion is in contact with the water of the upper cover, the sponge will be in a moistened state. The cigarette butt to be extinguished is inserted into the extinguishing hole of the water-absorptive portion so that the cigarette butt is rapidly moistened and completely extinguished and no ashes remain to causing a burning accident. Accordingly, the created whole structure is convenient for carrying while the safety and the environment-protection can be achieved.

It is a further object of the present invention to provide a portable and environment-protective safety device for extinguishing cigarettes in which the receiving portion is fitted with a sleeve with an opening for receiving cigarette butts inserted into the sleeve, and, in removing the cigarette butts, the sleeve is pulled out to let them out of the opening thereof for facilitating their removal.

BRIEF DESCRIPTION OF THE DRAWINGS

The accomplishment of this and other objects of the invention will become apparent from the following description and its accompanying drawings of which:

Fig. 1 is a perspective exploded view of a preferred embodiment of the present invention;

Fig. 2 is a perspective view of the preferred assembled embodiment of the present invention;

Fig. 3 is a sectional view of the preferred assembled embodiment of the present invention;

Fig. 4 is a schematic drawing of the preferred embodiment of the present invention showing how to extinguish a cigarette;

Fig. 4A is a schematic drawing of the preferred embodiment of the present invention showing how to placing a cigarette butt;

Fig. 5 is a schematic drawing of the preferred embodiment of the present invention showing how to removing a cigarette butt;

Fig. 6 is a perspective view of another preferred assembled embodiment of the present invention; and

Fig. 7 is a perspective view of a further preferred assembled embodiment of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Fig. 1 shows a perspective exploded view of a preferred embodiment of the

present invention. It's apparent in Fig. 1 together with Figs. 2 and 3 that the portable and environment-protective safety device for extinguishing cigarettes includes an upper cover 1, a water-absorptive portion 2, an attachment portion 3, a receiving portion 4 and a sleeve 5. The upper cover 1 is divided into a water-containing portion 11 and a sponge portion 13 by means of a projecting piece 12 while the upper cover can be made of transparent material in order to monitor the water level. The assembly is carried out in the way that the water is filled into the water-containing portion 11 while the water-absorptive portion 2 is fitted to the sponge portion 13 and pushes against the projecting piece 12. The projecting piece 12 includes a round opening being always in contact with the water. The sponge is maintained in a water-saturation state and lets the water not escape. The attachment portion 3 contains a female thread 31 near the top thereof for engagement with a male thread 14 disposed near the bottom of the upper cover 1. A clamping strip 6 is fitted at a proper position of the receiving portion 4 for a clamping fixing in carrying. The sleeve 5 is inserted into the receiving portion 4. The attachment portion 3 includes a projecting rim 32 near the bottom thereof for engagement with a grooved ring 41 near the top of the receiving portion 4. Accordingly, a whole body of the present invention is formed for facilitating the carrying.

Referring to Figs. 4 and 4A, the use of the present invention is shown that the lighted end of the cigarette butt is inserted into an extinguishing hole 21 of the water-absorptive portion 2 so that the cigarette butt rapidly absorbs the water inside of the sponge and is therefore extinguished due to being moistened. Thereafter, place the cigarette butt into the sleeve 5 of the receiving portion 4.

Fig. 5 is schematic drawing of the preferred embodiment of the present invention showing how to removing a cigarette butt. In removing cigarette butts from the receiving portion 4, it's only required to pull out the sleeve 5 from the receiving portion 4 so that the cigarette butts are removed from the opening 51 of the sleeve 5

Fig. 6 is a perspective view of another preferred assembled embodiment of the present invention. The receiving portion 4 of the present invention is provided with an opening at the bottom thereof. A bottom cover 7 is fitted to displace the sleeve inside of the receiving portion 4. In removing cigarette butts from the receiving portion 4, it's only required to open the bottom cover 7 and to push the cigarette butts from the bottom of the receiving portion 4 to the opening of the other end.

Fig. 7 is a perspective view of a further preferred assembled embodiment of the present invention. A ball-pen is fitted to the bottom of the receiving portion 4 for increasing the using function of the present invention.

Many changes and modifications in the above-described embodiments of the invention can, of course, be carried out without departing from the scope thereof. Accordingly, to promote the progress in science and the useful arts, the invention is disclosed and is intended to be limited only by the scope of the appended claims.

What Is Claimed Is:

1. A portable and environment-protective safety device for extinguishing cigarettes at least comprising an upper cover, a water-absorptive portion, a attachment portion and a receiving portion, wherein said upper cover is divided into a water-containing portion and a sponge portion by means of a projecting piece which contains a round opening for connecting both portions, and wherein the assembly is carried out in the way that the water is filled into said water-containing portion while said water-absorptive portion is disposed in the sponge portion, and wherein said upper cover and said receiving portion are connected together by means of said attachment portion, and wherein, in using, the lighted end of the cigarette butt is inserted into said water-absorptive portion so that it rapidly absorbs the water to be completely extinguished, and, thereafter, the cigarette butt is placed into said receiving portion for a convenient carrying, a complete extinguishing and a practical reception of said cigarette butts to ensure the environmental cleanness and the using safety.



2. A portable and environment-protective safety device for extinguishing cigarettes as claimed in claim 1, wherein said upper cover can be made of transparent material in order to monitor the water level.

3. A portable and environment-protective safety device for extinguishing

cigarettes as claimed in claim 1, wherein said water-absorptive portion is provided with an extinguishing hole.

4. A portable and environment-protective safety device for extinguishing cigarettes as claimed in claim 1, wherein said receiving portion is fitted with a sleeve with an opening for receiving cigarette butts inserted into said sleeve, and, in removing the cigarette butts, said sleeve is pulled out to let them out of the opening thereof for facilitating their removal.

5. A portable and environment-protective safety device for extinguishing cigarettes as claimed in claim 1, wherein said receiving portion includes an opening at the bottom thereof, and wherein a bottom cover is provided.

6. A portable and environment-protective safety device for extinguishing cigarettes as claimed in claim 1, wherein the bottom of said receiving portion is connected with a ball-pen.

7. A portable and environment-protective safety device for extinguishing cigarettes as claimed in claim 1, wherein said upper cover is provided with a clamping strip for facilitating the clamping fixture.

