

July 20, 1937.

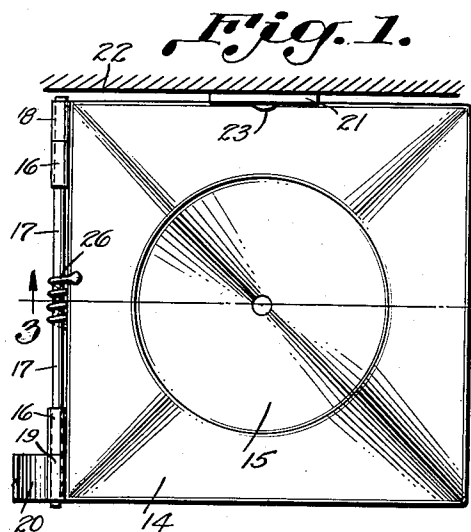
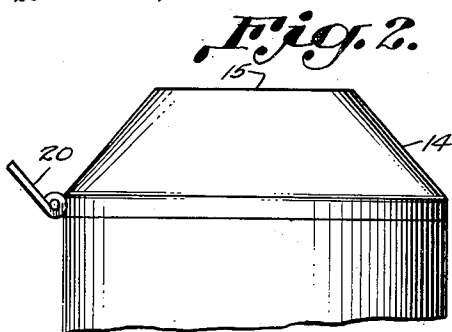
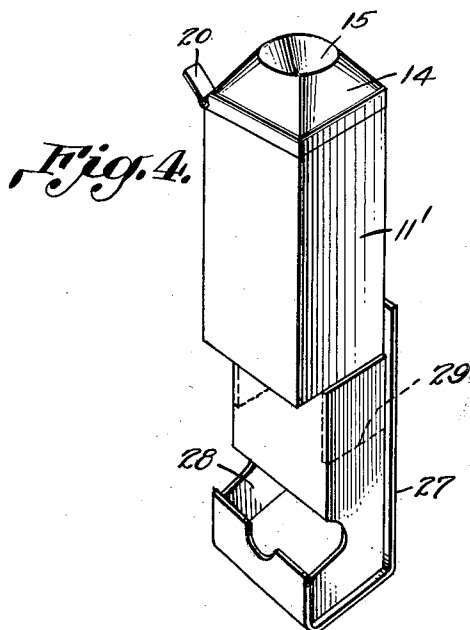
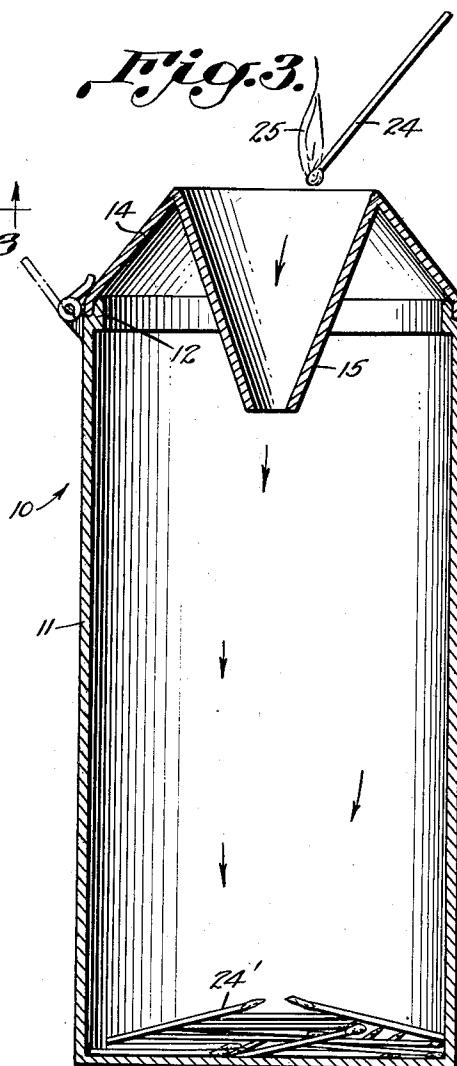
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2,087,360

MATCH SNUFFER

Filed April 30, 1935

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 5.

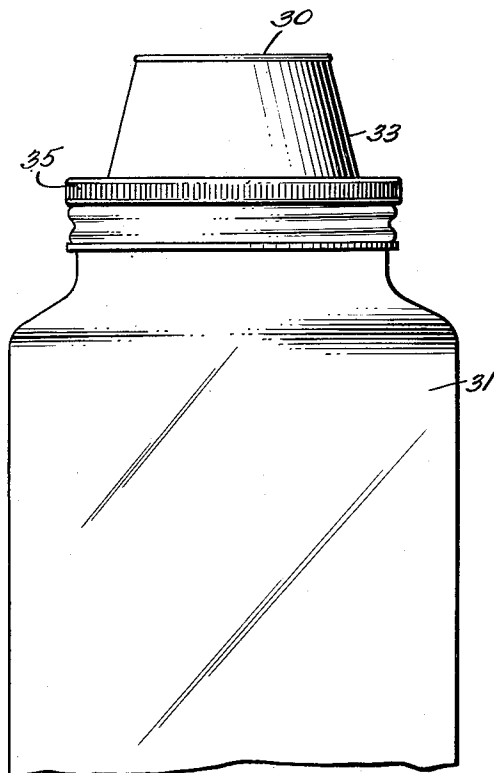


Fig. 7.

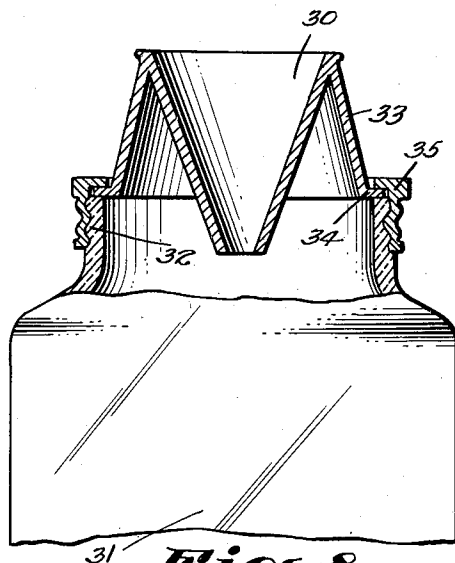


Fig. 8.

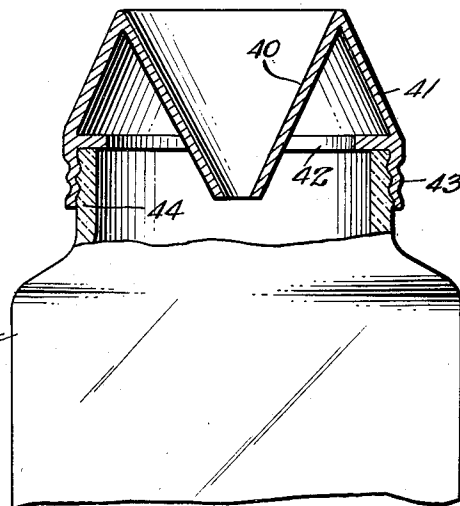
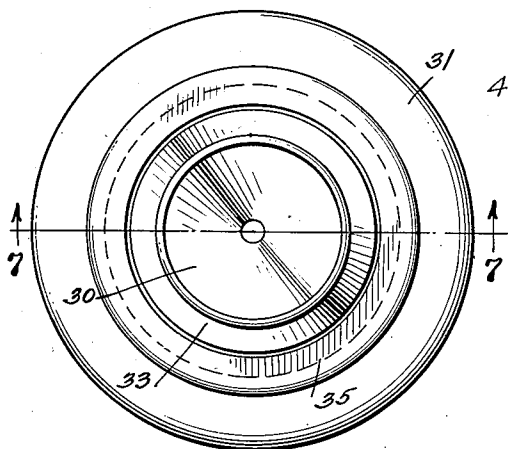


Fig. 6.



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UNITED STATES PATENT OFFICE

2,087,360

MATCH SNUFFER

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Application April 30, 1935, Serial No. 19,087

3 Claims. (Cl. 206—1)

This invention relates to a match snuffer and has for an object to provide a means for safely disposing of burning and burnt matches so as to eliminate any fire hazards.

5 Millions of matches are used daily and every burning match that is not safely snuffed before it is disposed of is a fire hazard. Many fires and serious results are often started by carelessly throwing away a match that is still burning or
10 glowing. With this invention, however, a receptacle is provided for safely disposing of all burnt or burning matches and a snuffer is provided at the entrance of the receptacle which insures that the match will be safely snuffed as it enters the receptacle, thereby eliminating any fire hazard.
15 The very act of placing the burnt or burning match into the receptacle automatically causes it to be snuffed as it enters the receptacle to safely eliminate the fire hazard.

20 A further feature of this invention is that the match snuffer and receptacle of this invention may be provided very inexpensively and as one feature of the invention a separate snuffer is provided which may be added to a receptacle already found in every household such as a fruit
25 jar, so as to make the use of the invention even more inexpensive.

30 The snuffer of this invention is provided either in the form of an entrance cover to a burnt match receptacle of a special form, or is provided as a separable and attachable entrance cover to be used in combination with an ordinary fruit jar or pickle jar or the like.

35 With the foregoing and other objects in view, as will hereinafter become apparent, this invention comprises the constructions, combinations and arrangements of parts, hereinafter set forth, claimed and shown on the accompanying drawings. In these drawings,

40 Figure 1 is a top plan view of the match snuffer invention,

Figure 2 is a front elevation of the same,

Figure 3 is a sectional view taken on the line 3—3 of Figure 1,

45 Figure 4 is a perspective view of a modified form of the invention,

Figure 5 is a side elevation of another form of the invention,

Figure 6 is a top plan view of Figure 5,

50 Figure 7 is a sectional view taken on the line 7—7 of Figure 6, and

Figure 8 is a sectional view similar to Figure 7, showing still another form of the invention.

There is shown at 10 one form of this invention wherein the snuffer is formed as an en-

trance cover to a special burnt match receptacle. In this form there is provided a metallic rectangular shaped receptacle 11 provided at its top with an inwardly extending flanged lip 12. The snuffer 14 of this invention acts as a cover to
5 the receptacle 11, and seats within the flanged lip 12. The snuffer 14 is of a shape corresponding to the shape of the receptacle and is provided with a cone-shaped funnel 15 extending down-
10 wardly in the center thereof, the altitude of the funnel being greater than the base so as to provide a sufficiently deep funnel to cause the burning match to turn lengthwise and be substantially
15 snuffed out by the time it has passed or dropped therethrough.

At one side receptacle 11 is provided with a pair of ears 16 which are folded over so as to receive the hinge pin 17 therethrough. The cover 14 is likewise provided with a pair of ears
20 18 and 19 to receive the hinge pin 17 therethrough. One of the ears, as 19, is further provided with a finger lip 20 so that the pressing of the finger lip 20 will cause the snuffer 14 to be hinged upwardly about the pin 17 so as to open
25 the receptacle 11 when desired.

A supporting flap 21 having a hole therethrough for suspending the entire device on a wall 22 by means of a nail 23 may be secured to one side
30 of the receptacle 11.

In operation, the burning match 24 which may be still aflame, as at 25, is merely dropped into the cone-shaped funnel 15. The match 24 then follows the position of the path of the arrows into the bottom of the receptacle 11 and accumulate
35 therein until the receptacle may receive quite an accumulation of burnt matches. As will be observed, the bottom of the receptacle 11 is horizontal so that the receptacle 11 may be either suspended on a wall, shown in Figure 1, or may be
40 placed on any suitable shelf or supporting surface.

The very act of dropping through the funnel 15 will cause the flame 25 on the match 24 to go out and disappear, making the receptacle perfectly safe for storage of matches. Should the flame fail to disappear as it passes through the
45 funnel 15, it will quickly consume all the available oxygen within the receptacle 11 converting it into carbon dioxide which will be retained therein due to the fact that carbon dioxide is heavier than air and that the receptacle is sub-
50 stantially air tight except for the entrance through the funnel.

Hence, after the first burning match or two has been dropped into the receptacle the receptacle will have a fireproof atmosphere there-
55

in, thereby assisting in quickly extinguishing any subsequent burning matches placed therein. When it is desired to dispose of the burnt matches therein the receptacle is merely grasped in one hand and the thumb depressed over the finger lip 20 thereby opening the snuffer or cover 14 against the hinged spring 26. The burnt matches 24' within the receptacle are then merely disposed of into any convenient trash can and on releasing the finger lip 20 the snuffer and cover 14 automatically return to the operative closed position and the receptacle is ready for further use on restoration either to the wall 22 or the suitable supporting surface.

In Figure 4 the invention is shown as used in combination with a conventional match dispenser 27. This match dispenser 27, of conventional construction, is provided with a dispensing mouth 28 through which the matches may be taken for use. In this form the receptacle 11' is provided with a pair of depending strips 29 which will just fit into the inside of the match dispenser 27 as shown. Except for these depending strips 29 for supporting the receptacle 11' on the match dispenser 27, this form of the invention is identical in construction and operation with the form already shown and described in Figures 1, 2 and 3.

Another form of the invention is shown wherein the snuffer 30 is used as a cover for an ordinary empty fruit or pickle jar 31 having the usual or conventional threaded mouth 32. In this form the snuffer 30 in its inverted cone or funnel shape extends through an upwardly extending cone 33 provided with an outwardly extending flange or base 34 having the same diameter as the mouth 32 of the jar 31. The threaded ring 35 ordinarily used for holding the conventional glass cover on the jar 31 is placed over the cone 33 and secures the snuffer 30 to the jar 31 by means of the outwardly extending flange 34 in the same manner that it otherwise secures a cover to the jar 31.

In operation, the matches are dropped through the snuffer 30 in the same manner as in the forms of invention already described and when the jar 31 is to be emptied it is only necessary to remove the threaded ring 35 in the usual manner permitting the burnt matches to be disposed of and then by replacing the threaded ring 35 on the snuffer 30 the receptacle is ready for further use.

In the form of invention shown in Figure 8 the snuffer 40 is secured to a depending cone 41 which is provided with an inwardly extending horizontal flange 42 and a depending threaded flange 43 adapted to cooperate with the threaded mouth 44 of receptacle 45, the receptacle 45 being an ordinary empty fruit or pickle jar. The operation of this latter form of the invention is substantially identical with that of the form shown in Figures 5, 6 and 7. The snuffer 40 is merely removed from the fruit jar or receptacle 45 at any time that it is desired to empty the burnt matches received therein, and then the snuffer is replaced by rethreading it on the mouth 44 in the usual manner.

In the first two forms of the invention shown in Figures 1 to 4 inclusive the snuffer is made as an integral cover with the receptacle for the burned matches while in the two forms shown in Figures 5 to 8 inclusive the snuffer is made as a separate cover adapted to be secured to a receptacle such as a fruit jar or empty pickle jar such

as is found in every household, thereby further reducing the cost of manufacturing and selling this invention, and making it available at extremely low cost in any household, at such low cost that it may even be distributed gratis by manufacturing companies as a safety means for the use of their products.

It will be observed that in each form of the invention the conical snuffer depends not from a flat top, but from an inverted conical top which naturally leads the hand toward the center and makes it easier for the hand to automatically find the center wherein the snuffer is located.

The novel features and the operation of this device will be apparent from the foregoing description. While the device has been shown and the structure described in detail, it is obvious that this invention is not to be considered limited to the exact form disclosed and that changes may be made therein within the scope of what is claimed without departing from the spirit of the invention.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. A combination match snuffer and burnt match receptacle, comprising a receptacle, a cover for said receptacle, and an open ended funnel integrally extending through said cover, said funnel having an altitude substantially greater than its base, whereby a match may fall endwise therethrough without jamming against the sides thereof, the aperture at the apex of the funnel being substantially small whereby escape of burnt gases within the receptacle will be effectively retarded.

2. A combination match snuffer and burnt match receptacle, comprising a receptacle, a cover for said receptacle, and an open ended funnel integrally extending through said cover, said funnel having an altitude substantially greater than its base, whereby a match may fall endwise therethrough without jamming against the sides thereof, the aperture at the apex of the funnel being substantially small whereby escape of burnt gases within the receptacle will be effectively retarded, and said receptacle being provided with an inwardly extending flange to receive the edge of said cover thereon and form a substantially airtight seal therewith.

3. A combination match snuffer and burnt match receptacle, comprising a receptacle, a cover for said receptacle, and an open ended funnel integrally extending through said cover, said funnel having an altitude substantially greater than its base, whereby a match may fall endwise therethrough without jamming against the sides thereof, the aperture at the apex of the funnel being substantially small whereby escape of burnt gases within the receptacle will be effectively retarded and said receptacle being provided with an inwardly extending flange to receive the edge of said cover thereon and form a substantially airtight seal therewith, and a hinge formed along one end of said cover and said receptacle, said hinge comprising a pair of ears extending from said cover and said receptacle and folded about in a hinge pin extending through said pairs of ears, one of said ears on said cover extending outwardly therefrom to provide a cover opening finger grip, to permit easy emptying of the receptacle.

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