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HAND LIGHTER FOR OIL STOVES

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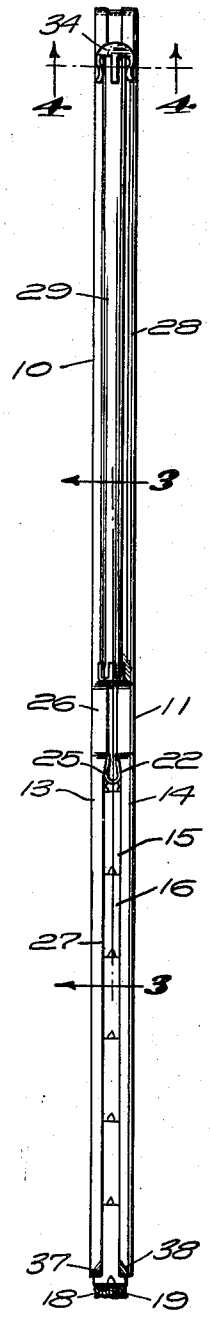


Fig. 1

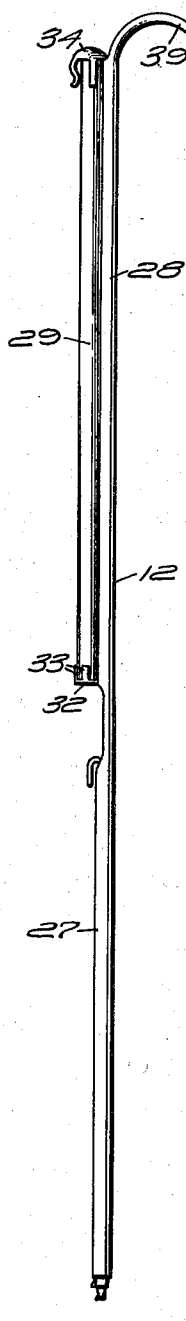


Fig. 2

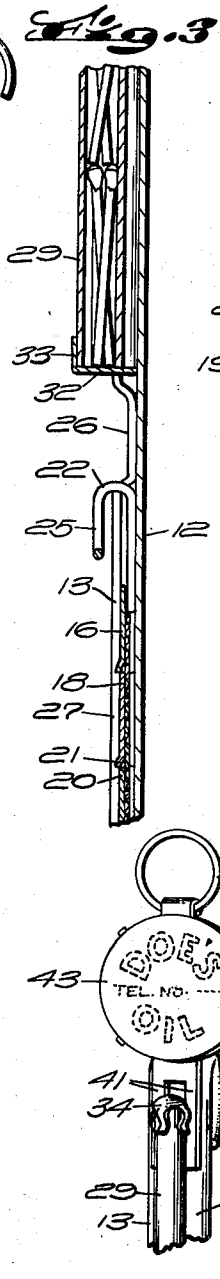


Fig. 3

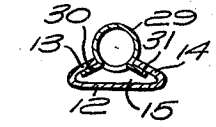


Fig. 4

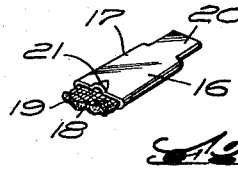


Fig. 5



Fig. 6

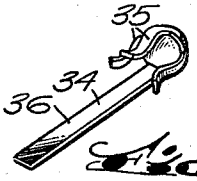


Fig. 7

Fig. 8

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HAND LIGHTER FOR OIL STOVES

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4 Claims. (Cl. 158—10)

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The present invention relates to lighters for oil stoves and has particular reference to a novel construction for a hand lighter.

The principal object of the invention is to provide a hand lighter which has a magazine arrangement equipped with a number of separate wick units.

Another object of the invention is to provide a hand lighter which has a compartment for storing emergency matches.

Still another object of the invention is to provide a hand lighter in which a number of separate wick tabs are movably mounted for manual shifting to operative position, whereby the life of the hand lighter is greatly prolonged and new wicks are readily positioned for use whenever needed.

With the above and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more specifically defined in the claims appended thereto.

In the drawings:

Fig. 1 is a front view of an illustrative hand lighter embodying my invention;

Fig. 2 is a side view thereof;

Fig. 3 is an enlarged partial sectional view on the line 3—3 of Fig. 1;

Fig. 4 is an enlarged sectional detail on the line 4—4 of Fig. 1;

Fig. 5 is a perspective view of one wick element;

Fig. 6 is a perspective view of a pusher for shifting the wick elements in the hand lighter;

Fig. 7 is a perspective view of a preferred construction of cap element for a match storage compartment, and which can also be used to lock the wick tabs in operative position; and

Fig. 8 is a perspective detail of an alternative support for the hand lighter, which is designed to carry a card having advertising indicia, telephone numbers and the like mounted thereon.

It has been found desirable to provide a magazine type hand lighter for household oil stoves. To this end, I have devised an improved hand lighter construction which is designed to receive a plurality of wick tabs and to selectively position these wick tabs in the standard location at the lower end of the hand lighter, so as to be readily lighted after being dipped in oil; and I have provided an ejector whereby the terminal wick tab may be ejected after it has burned down and another wick tab moved into position for use, whereby the effective life of the hand lighter is

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greatly increased. Further, I have provided a wick tab construction which not only carries an exposed standard wick for lighting uses, but in addition carries a protecting cover for preventing lighting of the wick of the other wick tabs. I have further found it advisable to mount a container on the hand lighter for retaining a small number of matches for emergency use, and I have designed an arrangement which carries a supporting ring and which may be positioned at the upper part of the hand lighter, and adapted to have the name of an oil company and its telephone number mounted thereon, thus facilitating calling the oil company when additional fuel is needed for the oil burner.

Referring to the drawings, the novel hand lighter 10 includes an elongated base 11 which is of channel form, as shown in Fig. 4, with a flat base 12 and in-turned sides 13 and 14, forming a runway 15. A number of wick tabs 16, see Fig. 5, are positioned in the runway 15, each wick tab having a sheet metal body 17 folded over to receive a small wick portion 18 which has an outwardly extending lighting portion 19, and having a rearwardly extending portion 20 adapted to seat over the lighting portion 19 of the next adjacent tab in the runway 15, see Figs. 1 and 3.

Each tab body 16 has a small upwardly extending projection 21 at the forward end thereof which is adapted to seat against the rear face of the rear extension 20 of the preceding tabs, so that all the tabs may be moved in unison by a pusher 22, see Fig. 6, which has spring legs 23 and 24 seated within the channel 15 and under the channel sides 13 and 14, the pusher having a projecting upper portion 25 which is adapted to be manually grasped for pushing the tabs downwardly through the channel 15 in successive order. As the lowermost tab is used, and gradually burns out, it is discarded and the next tab pushed forward to take its place, the protecting rear portion 20 of each tab protecting the exposed wick portion 19 of the succeeding tabs so that only the exposed wick portion of the lowermost tab burns.

The side walls 13 and 14 of the channel base are preferably bent inwardly intermediate the lower and upper ends, as indicated at 26 in Fig. 1, to separate the lower wick tab holding portion, which constitutes a magazine 27, from the upper portion, which serves as a handle 28 and carries a cylindrical container 29 which is preferably locked to the base 11 by side flanges 30, 31 seated within the upper channel passageway and in contacting engagement with the inner

surfaces of the channel sides 13 and 14. The container 29 is adapted to carry emergency matches, as shown in Fig. 3, and has a lower closure cap 32 which has spaced gripping fingers 33 and closes the lower end of the container, and an upper closure 34 which has spaced spring fingers 35 adapted to snap over the upper end of the container 29, the upper closure being provided with an elongated bar portion 36 which extends into the channel 15 behind the container for detachably locking the upper closure 34 in place.

Preferably, the bar portion 36 is of sufficient thickness to act as a pinch element, whereby the lower ends 37 and 38 of the channel sides 13 and 14 may be pushed in or pinched by the bar portion 36, acting as a pressure tool, to fully lock the lowermost wick tab 16 in proper lighting position.

The upper end 39 of the base 11 is bent rearwardly to provide a hand hook, and may also be used as a support for hanging the hand lighter 10 on the side of the oil burner or oil burner bottle framework. Further, a disk or plate 40 may be detachably mounted at the upper end of the hand lighter, as by means of spaced downwardly extending legs 41 which frictionally grip between the container 29 and the contiguous portions of the channel sides 13 and 14, the plate or disk 40 preferably having a ring 42 swiveled or hingedly mounted at its upper end for hanging the hand lighter on a nail. The plate or disk 40 may be suitably marked, or may carry a printed disk 43, held in place by side lugs 44 integral with the disk or plate 40, which may carry suitable information such as the name of an oil company and its telephone number, thus facilitating the ordering of fuel for the oil burner whenever desired.

Although I have described a specific constructional embodiment of my invention, it is obvious that changes may be made in the size, shape and material of the parts and in their relative positioning and function, without departing from the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. A hand lighter for oil burners comprising an elongated base having an upper portion constituting a handle, and a lower portion having a magazine, a series of wick tabs in said magazine, and means for positioning the wick tabs successively at the end of the lower portion.

2. A hand lighter for oil burners comprising an elongated base having an upper portion constituting a handle, and a lower portion having a magazine, a series of wick tabs in said magazine, each tab having an exposed wick portion, and means for positioning the wick tabs successively at the end of the lower portion.

3. A hand lighter for oil burners, comprising an elongated base having side walls bent to form a channel, the upper portion of the base constituting a handle, and the lower portion a magazine, a series of wick tabs, each comprising a body containing a wick portion mounted in the channel, and a pusher mounted in the channel and manually movable to position the wick tabs successively at the end of the lower portion.

4. A hand lighter for oil burners comprising an elongated base having side walls bent to form a channel, the upper portion of the base constituting a handle, and the lower portion a magazine, a series of wick tabs, each comprising a body containing a wick portion mounted in the channel, said wick portion projecting from the body, and said wick body having a rear projecting portion extending over the projecting wick of the next adjacent wick tab, and a pusher mounted in the channel and manually movable to position the wick tabs successively at the end of the lower portion.

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