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CIGARETTE LIGHTER

Filed March 18, 1947

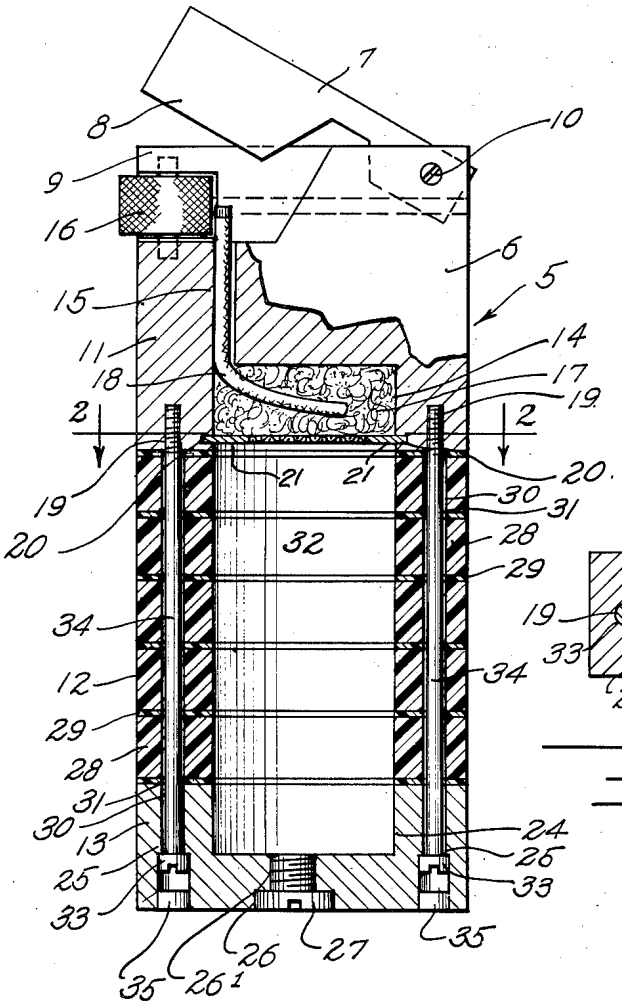

Fig. 1

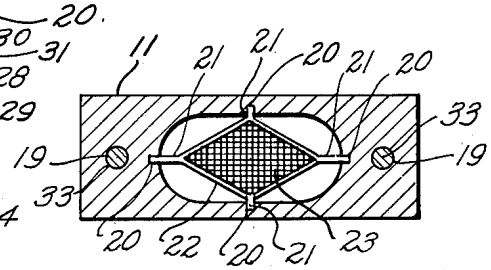

Fig. 2

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CIGARETTE LIGHTER

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2 Claims. (Cl. 67—7.1)

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My invention relates to cigarette lighters, and has for its primary object the provision of a cigarette lighter comprising a body and a cover hinged thereto, a portion of the said body being formed of translucent material through which the reservoir containing the fuel is visible to enable rapid visualization of the fuel supply.

It is a further object of my invention to provide a lighter of the character described in which separate compartments are provided for fuel and for the customary cotton wad and wick, the said compartments being separated by a self-retaining grid therebetween.

It is a still further object of my invention to provide a lighter of the character described which will be ornamental in appearance and pleasing to the eye, and which will be efficient and practical for its objective purposes.

Other objects and advantages of my invention will become apparent during the course of the following specification, and accompanying drawings, forming part of the specifications, in which like numerals are used to designate like parts throughout the specification and drawings.

In the drawings:

Figure 1 is a transverse section, partly in elevation, of the lighter of my invention, and,

Figure 2 is a section taken substantially on the line 2—2 of Figure 1.

Referring now in detail to the drawings, the numeral 5 designates generally the lighter of my invention, comprising a body 6 and a cover 7 hinged thereon. The cover 7 is formed with a tongue 8 adapted to be received in a slot 9 formed in the said body and is provided with a transverse opening through which a pivot pin 10 extends to pivotally connect the said cover to the body.

The body 6 is generally prismatic in shape, and is formed in three sectional portions, an upper section 11 to which the cover 7 is connected, an intermediate section 12, and a bottom section 13. The top section 11 and the bottom section 13 are made of aluminum or other suitable material, while the intermediate section 12 is built up of translucent plastic segments as will be hereinafter described.

Top section 11 is provided with a centrally disposed elliptical chamber 14 opening downwardly closely adjacent the bottom of the said section. A bore 15 connects the closed top of chamber 14 with the slot 9 terminating closely adjacent the conventional sparking mechanism 16 mounted therein. A wad of cotton 17 in which a wick 18 is coiled in the usual manner is positioned in the

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said chamber 14, the wick passing to a position where it may be ignited by the sparking mechanism 16 through the bore 15. Internally threaded apertures 19 are provided in the bottom of said top section intermediate the sides at each end thereof for a purpose which will hereinafter become apparent, and four small apertures 20 are formed in the body of said section adjacent the bottom of said elliptical opening aligned with the ends of the axes thereof, the said apertures 20 being arranged to receive and retain a corresponding number of outstanding arms 21 carried on a diamond shaped wire frame 22 upon which is mounted a small wire grill 23, the said frame and grill being adapted to fit in the elliptical opening to retain the cotton 17 and wick 18 in the chamber 14.

The bottom section 13 is provided with an upwardly opening chamber 24 of similar cross-section and in alignment with the chamber 14. Through bores 25, axially aligned with the apertures 19, are also provided, the upper portions of the said bores 25 being of reduced diameter. An axial counter-bored opening 26, having an internally threaded reduced portion 26' to engage the externally threaded portion of a kerfed plug 27, communicates with the chamber 24.

The intermediate portion of the body 6 is built up of a plurality of clear Lucite segments 28 separated by relatively thin strips of colored Lucite 29, the said segments 28 and strips 29 being of the same contour as the top section 11 and the bottom section 13, and each said segment and strip being provided with circular openings 30 and end holes 31 registering with the respective chambers 14 and 24 and with the respective apertures 19 and bores 25, so that upon assembly of the sections 11, 12 and 13, the body 6 will contain a continuous longitudinal cavity therein providing a transparent axial fluid chamber 32.

The body portions are clamped together by means of elongated stud bolts 33, the threaded ends of which engage the threaded portions of the apertures 19, passing through the aligned holes 31, the kerfed head being disposed in the bores 25 adjacent the reduced portions thereof. Openings 35 of the bores 25 below the said screw heads are filled with plastic, which may be of a color similar to section 12 or of a contrasting color, for a purely decorative purpose.

I have described my invention in the form best known to me at this time. It is to be understood, however, that changes in the shape and arrangement of the parts of my invention may be made

without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim:

1. In a cigarette lighter including a wick, a flint and a striking wheel, the improvement comprising a hollow housing operatively mounting said wick, flint and wheel and providing a fuel vapor receptacle, said receptacle being formed with a bottom opening, a screen carried by said housing across said opening, a body of absorbent material carried in said receptacle and retained therein by said screen, a fuel reservoir, said reservoir comprising a casing open at its upper end, said casing comprising a plurality of superposed pairs of unlike laminations, a lamination of each pair being relatively thick and transparent, the other lamination of each pair being relatively thin and substantially opaque whereby to provide ornamental gauge markings on said reservoir, and spaced bolts extending through all of said pairs of laminations for connecting the same together and to said housing.

2. In a cigarette lighter including a wick, a flint and a striking wheel, the improvement comprising a hollow housing operatively mounting said wick, flint and wheel and providing a fuel vapor

receptacle, said receptacle being formed with a bottom opening, a body of absorbent material carried in said receptacle, a fuel reservoir, said reservoir comprising a casing open at its upper end, said casing comprising a plurality of superposed pairs of unlike laminations, a lamination of each pair being relatively thick and transparent, the other lamination of each pair being relatively thin and substantially opaque whereby to provide ornamental gauge markings on said reservoir, means for connecting all of said pairs of laminations together and to said housing.

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