

GB1283267Beschrijving van **GB1283267****(54) IMPROVEMENTS IN OR RELATING TO
CIGARETTE LIGHTERS**

(71) We, Gens. VAN POPPEL N.V., of

A.G.H.17oklierstraat 5, Assen, The Netherlands, a Dutch Body Corporate, do hereby declare the invention for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:

This invention relates to a cigarette lighter comprising a base member consisting of a sleeve for housing a fuel reservoir and a flint holder, a head member comprising a flame and ignition mechanism and carrying a flame guard, and connecting means connecting said base member and said head member together.

This kind of lighter is well-known in various embodiments, but its construction is complicated, while the assembly of the various parts represents a considerable cost item relative to the overall cost of manufacture, which results in a high sales price. Furthermore, the fuel reservoir is replaced through the bottom of the lighter, which requires the manufacture of a separate cover at the bottom of the space containing the fuel reservoir, while the replacement of the reservoir is often difficult for the average user.

In this specification and in the accompanying claims, the lighter according to the invention is described as if in the position for use, that is to say, lengthwise in upright or vertical position with the head member pointing upwardly and the base member pointing downwardly.

According to the invention, there is provided a cigarette lighter comprising a base member for housing a fuel reservoir and a flint holder, a head member comprising an ignition mechanism and carrying a flame guard, and an intermediate member connecting said base member and said head member together and carrying the flint holder, the latter being formed integrally with said intermediate member, said intermediate member having a pilot section which mates with the upper edge of said base member, said pilot section having two depending extensions at spaced points, said extensions of which at least one is resilient, being provided adjacent their free ends with outwardly extending dogs fitting snugly in recesses formed at corresponding positions on the inside of the sleeve wall, said intermediate member having an aperture for the passage of the head portion of the fuel reservoir and being formed with two integral webs at the top, journalling a common shaft of a spark wheel, forming part of the ignition mechanism, and a closure cap, the intermediate member further having at its top a pair of notched lugs which receive projections formed on said flame guard for fixing the latter to the intermediate member.

The result of providing an intermediate member which carries the entire ignition mechanism is that the assembly of the lighter can thereby be made simpler and cheaper while the fuel reservoir can be replaced in a simple manner by the average user by unsnapping the base member from the intermediate member, removing the empty fuel reservoir from the base member (preferably having the form of a sleeve), and replacing it with a fresh reservoir and subsequently re-snapping the sleeve in place on the intermediate member with a simple movement.

In illustration of the invention, one embodiment will be described, by way of example, with reference to the accompanying drawings.

In said drawings,

Fig. 1 is a vertical sectional view on the larger width of the lighter according to the invention;

Fig. 2 is a sectional view on the line II-II in Fig. 1;

Fig. 3 is a bottom view of the intermediate member on a reduced scale; and

Fig. 4 is a plan view of the fuel reservoir on a reduced scale.

Referring to the drawings, there is shown a lighter comprising a base member in the form of a sleeve 1 and a head member 2, which are interconnected by an intermediate member.

3. Most conveniently, the intermediate member consists of a synthetic plastics material suitable for injection moulding, since, virtually all structural and connecting parts are formed integrally with the intermediate member.

Formed at the bottom of the intermediate member is an integral flint tube 5 adapted to house a flint which in known manner is spring-loaded upwardly by a spring 7 bearing with its fixed end on a screw S. The intermediate member 3 has an aperture 4 for the passage of the head of a fuel reservoir 21, and further