

Self Heating Laryngeal Mirror

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A modified laryngeal mirror designed so as to warm the mirror to prevent fogging while viewing larynx, by dry cells or battery eliminator is being presented.

A laryngeal mirror of new design has been developed and is being described with some of its features. This laryngeal mirror is of self heating type and can work on dry cells or battery eliminator. It consists of a mirror assembly and a handle assembly. The mirror assembly has a case for housing a circular mirror, an element and a insulation sheath which separates the case and the element. To the rim of the case is attached a hollow metallic tube which allows passage of a thin insulated wire from element to the other end of the tube where a contact point is made. The mirror assembly can be fitted to the handle assembly. Two types of handles are available. The handle for dry cells and the handle for use with battery eliminator. The handle for dry cells houses two AAA size dry cells and has a push button type of On-Off switch and a LED indicator. It can be used with an eliminator giving 0.5 amp current at 3 to 9 volts. The elements warms the mirror when current flows through it. The LED glows indicating passage of current.

This laryngeal mirror has following advantages :

- 1) It does not require any heating arrangement like spirit lamp, hot water etc.
- 2) Mirror assembly is common for the eliminator handle and the battery handle, that is same mirror can be fitted on both types of handle.
- 3) It is easily repairable. The element and the mirror can be easily changed as the case

housing these has a lid and can be easily opened and closed.

- 4) Over heating is rare when used with recommended current voltage. Hence prolonged examination may be carried out without interruption.
- 5) Patient's co-operation is better as sight of warming laryngeal mirror on flame usually makes a patient apprehensive.
- 6) It can be safely washed with detergent or antiseptic.
- 7) It is portable and is useful in outdoor or bedside examination in hospital or on home visits.

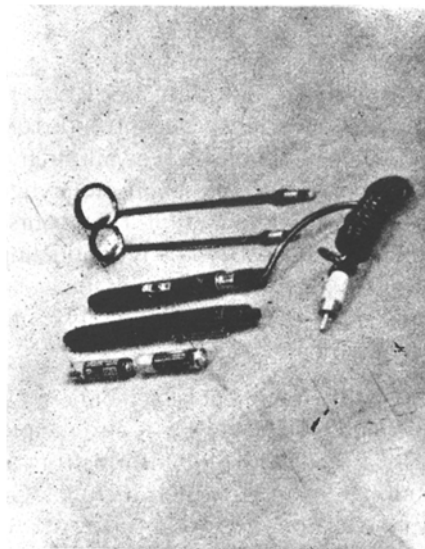


Fig.1

Showing two sizes of mirror with eliminator handle and battery handle with AAA size dry cells.