

ADMIRALTY  
AIR MINISTRY

## Chapter 18

### INSTRUMENT LAMP, No. 1

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#### LEADING PARTICULARS

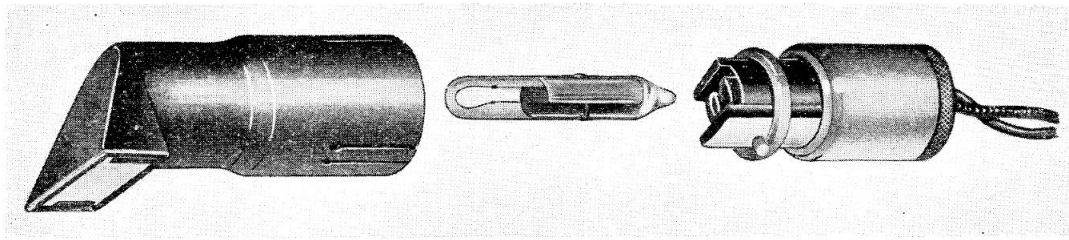
|                                                        |                        |
|--------------------------------------------------------|------------------------|
| Instrument lamp, No. 1 ... ..                          | Stores Ref. 5C/462     |
| Overall length ... ..                                  | 1½ in.                 |
| Weight ... ..                                          | 1¼ oz.                 |
| Cowl ... ..                                            | Stores Ref. 5C/510     |
| Weight of cowl ... ..                                  | ¼ oz.                  |
| Filament lamp—                                         |                        |
| 2·4 watt, Type P.O. No. 3, clear (jack type), 24-volt  | Stores Ref. 5L/X959211 |
| or                                                     |                        |
| 1·28 watt, Type P.O. No. 3, clear (jack type), 12-volt | Stores Ref. 5L/X959112 |

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ELECTRICAL MANUAL—STATIC CONSUMER EQUIPMENT  
(AIRBORNE)

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**Section 7.** List of Chapters: delete "(To be issued later)" after the title of Chapter 18 and write "(A.L.14)" in the outer margin against the deletion. Insert this Chapter 18 to follow Chapter 2. Record the incorporation of this A.L. in the Amendment Record Sheet.



**Fig. 1. Instrument lamp, No. 1, with cowl**

#### **Introduction**

1. The instrument lamp described in this chapter is provided for the local illumination of instruments which cannot be satisfactorily lighted by a general lighting system.

#### **DESCRIPTION**

2. The lampholder (fig. 1) consists of an inner insulating piece, fitting into a metal sleeve on to which the end cap is screwed. The filament lamp, details of which are given under Leading Particulars, is of the jack type, and slides inside the insulating piece, where it makes contact with two leaf springs which are connected to the two terminals.

3. The cowl fits over the lampholder sleeve, where it engages with a single locating pin, and is held in position by a spring-loaded ring on the lampholder. A strip of opal glass is fitted over the mouth of the cowl, and the inside is finished in

white to reflect as much light as possible. Two slots are provided, to give alternative positions of the cowl in relation to the lampholder.

#### **INSTALLATION**

4. The instrument lamp, without the cowl, may be fitted to an instrument having special provision for it in the form of a bayonet socket, and suitable arrangements for directing the light; or the lamp may be used with the cowl, and supported in a convenient position to illuminate the instrument. The lamp is supplied with a length of Instruflex cable connected to it. Access to the terminals of the lampholder is obtained by withdrawing the insulating piece from the sleeve after unscrewing the cap.

5. A bayonet ring (Stores Ref. 5C/484), identical with one fitted in the cowl, is available for adapting the No. 3 compass lighting bracket to take this instrument lamp.

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