

## Chapter 7

# SPECTACLES

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#### Introduction

1. Various types of spectacles with tinted and/or correcting lenses are available for aircrew. Correcting lenses are supplied only on a medical prescription.

2. Spectacles supplied for aircrew are specially designed for use under flying conditions, with robust frames and large lenses. Metal frames are used in preference to plastic ones because rapid changes in temperature and humidity cause the plastic to deteriorate. The lenses are optically worked—that is, they are worked to a true form instead of being dropped or blown into shape. The frames are made of nickel-silver, nickel-plated to prevent corrosion.

3. Although the frames are reasonably strong, they should not be treated carelessly. Cases are provided and should be used.

#### Spectacles, Mk. 8

4. These spectacles (*fig. 1*) protect the eyes against glare during flying or ground duties. They are fitted with Crooke's B.2 tinted non-safety lenses, and are available in two sizes: medium (Stores Ref. 22C/961) and large (Stores Ref. 22C/962).

#### Spectacles, Mk. 9 and 9A

5. These spectacles are supplied only on a medical pres-

cription. The Mk. 9 (Stores Ref. 22C/994) have untinted correcting lenses, and the Mk. 9A (Stores Ref. 22C/995) have tinted correcting lenses. The front is cellulose acetate and two pairs of side pieces are provided. One pair is a "skull fit" as shown in *fig. 2*, and the other pair consists of short loop-ended side pieces to which is attached an endless adjustable elastic band.

#### Spectacles, Type G

6. These spectacles (*fig. 3*) are for the use of ground personnel, and are available in two sizes: medium (Stores Ref. 22G/1398) and large (Stores Ref. 22G/1399). The frames have adjustable plastic nose pads and plastic-covered side pieces. A stiffener

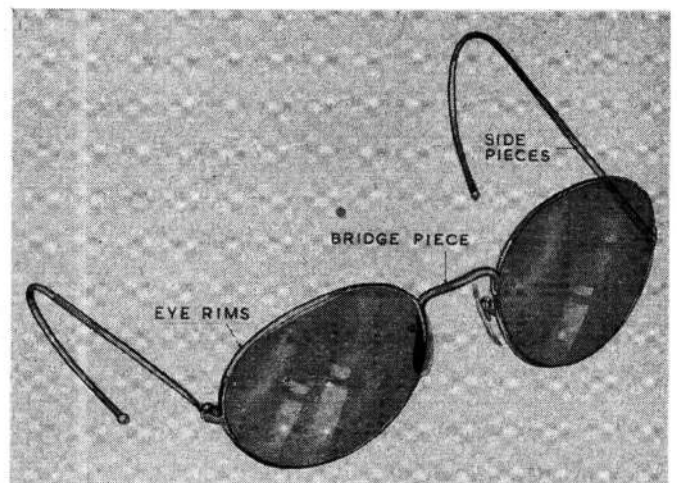


Fig. 1. Spectacles, Mk. 8

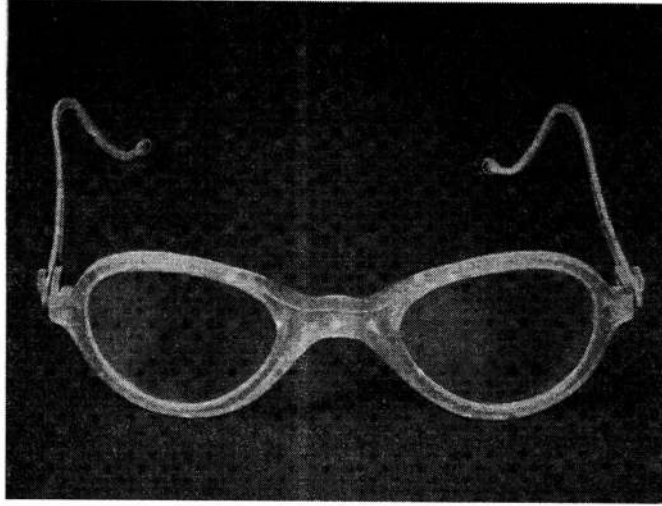


Fig. 2. Spectacles, Mk. 9 and 9A

bar is attached to the eye rims above the normal bridge bar. The lenses are of a neutral tint suitable for general purpose anti-glare protection. A metal case is provided with each pair of spectacles.

#### Spectacles, Mk. 11

7. These spectacles (*fig. 4*) are for the use of aircrew and are approved for limited introduction. They are available in two sizes: small (Stores Ref. 22C/1369) and large (Stores Ref. 22C/1370). Large curved lenses of a neutral tint are fitted, and the frame has a stiffener bar and a plastic-covered brow bar. The nose pads are adjustable. A case is provided with each pair of spectacles.

#### Spectacles, Mk. 12 and 12A

8. These spectacles, which are replacements for the Mk. 9 and 9A, have frames similar to that of the Mk. 11 spectacles, but are fitted with correcting lenses of laminated glass. They are supplied only on a medical prescription. The Mk. 12 spectacles (Stores Ref. 22C/1377) have untinted lenses, and the Mk. 12A (Stores Ref. 22C/1378) have tinted lenses.

#### Adjustment

9. Spectacles provided on a medical prescription are individually fitted, but the other types may need some adjustment.

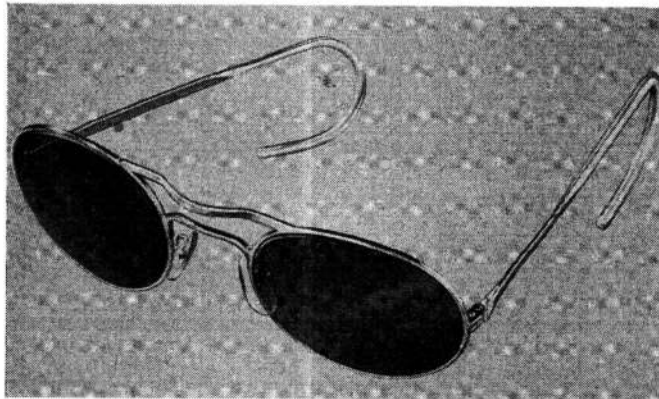
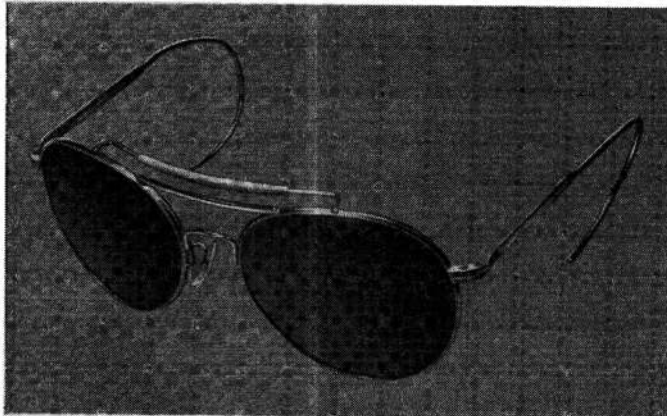


Fig. 3. Anti-glare spectacles, Type G

RESTRICTED



**Fig. 4. Spectacles, Mk. II**

**10.** The curl sides should fit closely and comfortably behind the ears. To extend or shorten a side, it should be pulled between the thumb and forefinger with an upward or downward movement as necessary. The pear-shaped tip of the curl side should not press against the head, and may be bent outwards with a pair of round-nosed pliers.

**11.** The wire arms supporting the nose pads may be adjusted if necessary—for example, if the frame is too wide or too narrow. The nose pads should lie at right angles to the wearer's nose and should fit comfortably. The wire should be bent slowly and firmly with a small pair of pliers. No attempt should be made to bend the frame.



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