

FUSED TRIFOCAL LENSES

Presbyopes with a reading addition of +1.50D or more, often experience difficulty in becoming accustomed to the sudden change of power between the two portions of bifocal lenses.

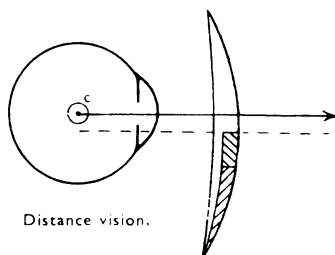
Trifocal lenses, which are made in fused form, present an intermediate portion whose power is exactly half-way between those of the distance and reading portions. This intermediate portion, as well as lessening the call on accommodation, markedly diminishes the "jump" experienced with the usual type of bifocal lens, due to lack of

correspondence of the two centres; in this respect trifocal lenses are comparable with Hamblin's "No-jump" bifocals. The elimination by trifocal lenses of that intermediate zone in which an advanced presbyope is otherwise unable to focus his vision has led to their becoming known in America as "continuous vision lenses".

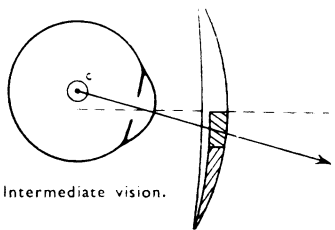
Trifocals, often desirable, become invaluable to presbyopes in those occupations necessitating clear vision of that part of the foreground which is outside their reading distance. Wearers such as painters, who work largely at arm's length and those who must interview other people, as must most professional men, find these lenses of particular service.

The diagrams show the principles of fitting trifocals, a procedure requiring considerable care. Hamblin's, in over twenty years' experience of dispensing them, have been impressed by the readiness with which presbyopes, although unsatisfied by bifocals, will accept trifocal lenses.

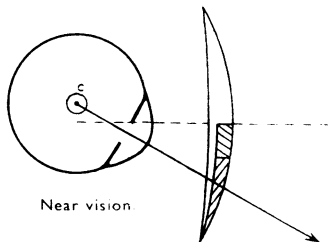
In order to enable more surgeons and patients to become familiar with their advantages, Hamblin's will willingly replace with bifocals any trifocals fitted by them and not found satisfactory. No charge will be made for this service, but the patient should have worn the glasses for a trial period of six weeks and should return them in good condition within a further two weeks if he wishes to have them replaced.



Distance vision.



Intermediate vision.



Near vision

c = centre of rotation

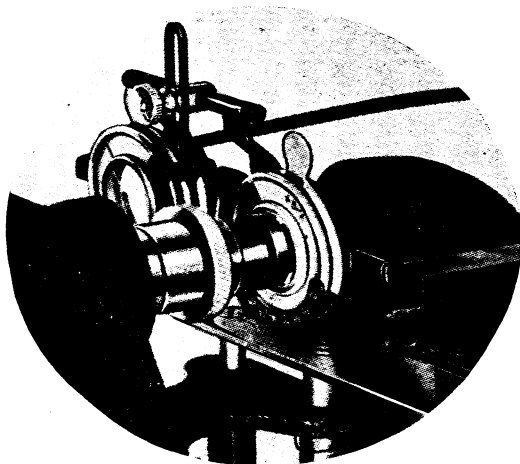
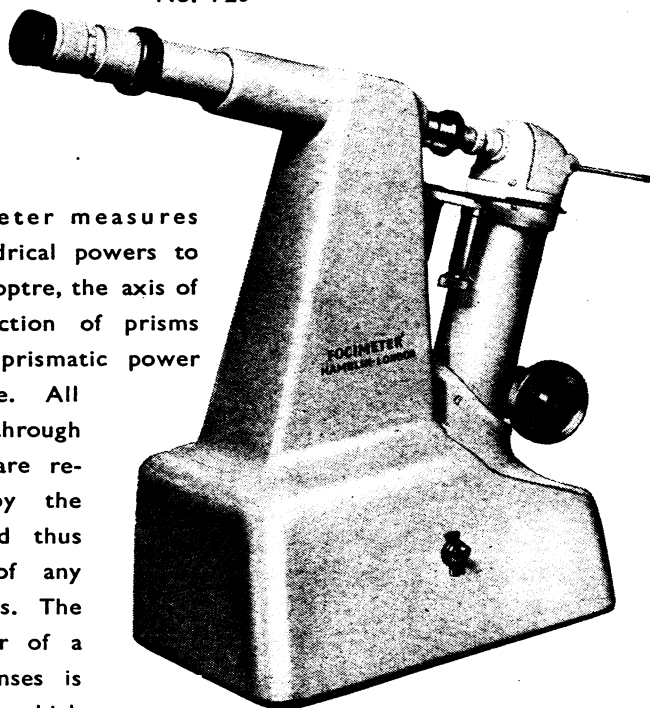
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HAMBLINS FOCIMETER

No. 720

Hamblins Focimeter measures spherical and cylindrical powers to within 0.03 of a dioptré, the axis of cylinders and direction of prisms to $1\frac{1}{2}^{\circ}$, and the prismatic power to $\frac{1}{8}$ th of a dioptré. All readings are seen through the eyepiece and are recorded directly by the optical system, and thus are independent of any wear of moving parts. The exact vertex power of a combination of lenses is given, no matter how thick

or how far apart they may be and irrespective of whether the cylinder is in front of or behind the sphere.



The Surgeon can write his prescription from the recordings of the focimeter confident that it will exactly reproduce the effect of the lenses in the trial frame.

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—SPILLER