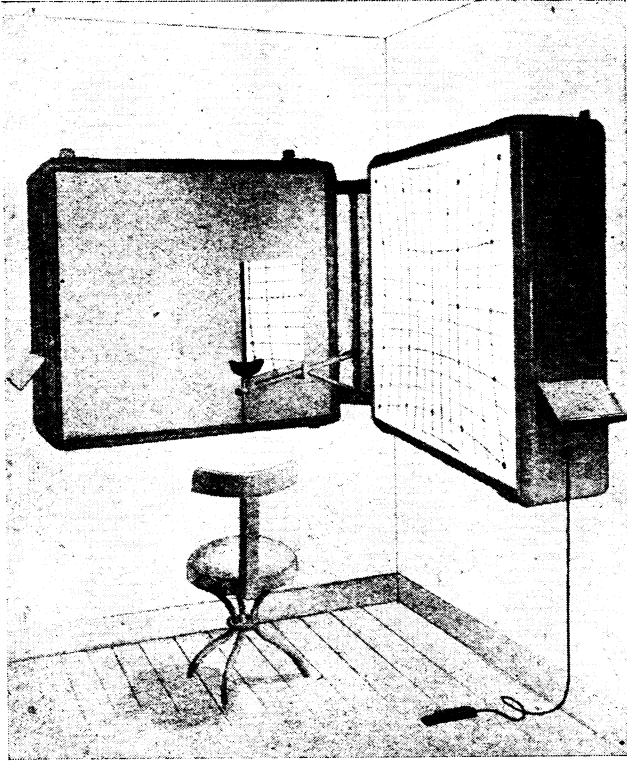


THE NEW ILLUMINATED HESS SCREEN TEST (THE LEES SCREEN)



The illustration depicts an apparatus devised by Mr. V. T. Lees of Manchester Royal Eye Hospital in which is employed a new method of applying the Hess Screen Test for interocular muscle balance. The apparatus consists of two screens each engraved with a tangent scale, the pattern of which is exactly that of the well known Hess Screen. These screens are so designed that the tangent scales engraved in them are not visible until they are illuminated. They are placed rigidly and permanently at right angles to each other, and can be illuminated

either separately or simultaneously. A double sided plane mirror, 12 inches square, is placed in such a position that its reflecting surfaces bisect the angle between the two screens to afford an angle of 45° to either screen. In this way a virtual image of the scale on either screen may be exactly superimposed on the other. The dissociation of binocular vision is obtained by seating the patient in such a position that he looks through the mirror with one eye and views the screen immediately before him with the other. In this way complete dissociation is obtained without employing colour or colour filters, the illuminated screen seen in the mirror appearing to the patient as a virtual image projected on to the blank surface of the non-illuminated screen before the other eye. The Surgeon, by means of a small disc on a rod, indicates on the illuminated screen the cardinal points he wishes the patient to fix, and the patient does this by ringing the spot he appears to see, by means of a Law-type pointer. This having been done the blank screen is momentarily illuminated by the surgeon pressing a foot-switch and the displacement, if any, is immediately apparent. This can then be recorded in the usual way on a standard Hess screen chart.

Price (United Kingdom) £65 - 0 - 0

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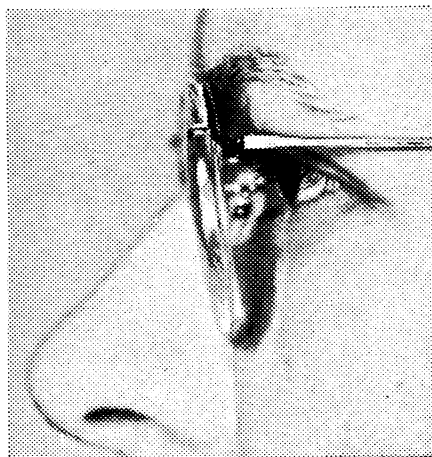
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of a -10D prescription demonstrate the advantage of this improved production.



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