

either magnified too much or too little in proportion with the center of the field?

**Defects of  
Flat Lenses**

These defects the optical scientists call astigmatism and distortion, and they are unavoidable in flat lenses.

Figure 3 shows them to you plainly and accurately. It was photographed through a strong flat eye lens placed in front of the camera lens. The camera lens corresponds to your eye in this instance, and it sees the image as your eye would see it under like conditions.

Note that the supposedly parallel lines of the picture diverge near the edges, that the



**Figure 4—Photographed through a + 8 D Meniscus Lens.**