and, finally, the contents of the eell behind correspond to the vitrenss humor ( $i_{i}$ ). As if in confirmation of all this, we lind that the fieves a the lens comereponds to the hottom (\%) of the eell. What may be the oftiee of the ertimbreal eavity (2.) in the lens, we have mome of aseertaining: but it looks as if it might be a means of correcting the spherical aberation; at least, it must alleet the direction of the central mals more or less. Taking the lens ley itself amb without any reference to the other parts of the organ, we have sullicient warant, from its form and position, in assuming that it is a true erystalline lens, and sulserves the purposes of actual vision. The eye of C'yuea has a similar strueture; and sueh to we think must be the structure of the eyes of many, if not of all, the coverel-eyed Medusio.

 projects along the axis of the eell nearly to the opmosite extreme, and then bents abruptly upon itself (d), and, returning : bain mearle to its base, curves (e) directly aeross the cell and immediately commenes its reil, at the same lime clusely following the face of the cell-wall (a). It makes in :all only seven or eight tramsverse, widely separate eoils ( $f$ ) , and terminates (el) at the end opposite its hase (b). From this it will he seen that the romblike hase of the thean is not exeentrie, as in Coryne, but is completely enceloped hey the spiral coil.

The principal leatures which mank the next stage ( $\mathrm{l}^{2}$. Xl'. Fings. 16, 17 , and 2(i), are, the broadening of the marginal intervals (fing. $3\left(i^{\prime \prime}\right)$, so that they are as wide as the breadth of the oentiberous lohes (i): the appearance of two of the marginal fringes (Fig. 16 "') of the proboscidal prolungations, of which we hat an intimation, in the previous stage ( $\mathrm{Pl} . \mathrm{Nl}^{1}$. Fig. \& a $\mathrm{a}^{1}$ ). by the truncate corners of the lips of the proboscis; and the incipient longitudinal folding of the proboscis into four distinet lobes, so characteristie in the adult.

Alter this stage, the brealth of the disk begins to increase rapidly, whilst the oculiferous lobes are of comparatively slower growth. Of this we have the begin-
 feature which distinguishes it from the hast. By the contracted state of one of the ephyre we were able to get a very gool view of the transverse outline of the radiating tubes (fig. 30 c ), and made out very clearly that the lower wall is concave, and the upper one like the roof of a house, excepting that the two sides are curved inwards. The cellular structure of the surface (fiij. 30) beyins alreaty to resemble that of the adult; and here and there we find single lassu-cells (Pl.

[^0]Prof: II. J. C'ark. Compare my remarks on lassocells, in Proc. Amer. Assoc. 18.19, p. Cs.


[^0]:    ${ }^{1}$ The peculiar relations of the lasso-coil to the rod-like portion of the thread were discovered by

