

undivided chamber with a terminal aperture, or in exceptional cases with two apertures, and the walls are calcareous and finely perforated. These characters, simple as they appear, are compatible with an exceedingly wide range of variation in minor particulars, chiefly in relation to—(1) the shape of the test; (2) the nature of the aperture; and (3) the condition of the exterior with reference to surface-ornament.

The general contour of the shell may be subglobular or pyriform, as in *Lagena globosa*, ovate as in *Lagena ovum*, obovate as in *Lagena ovata*, truncate at the base as in

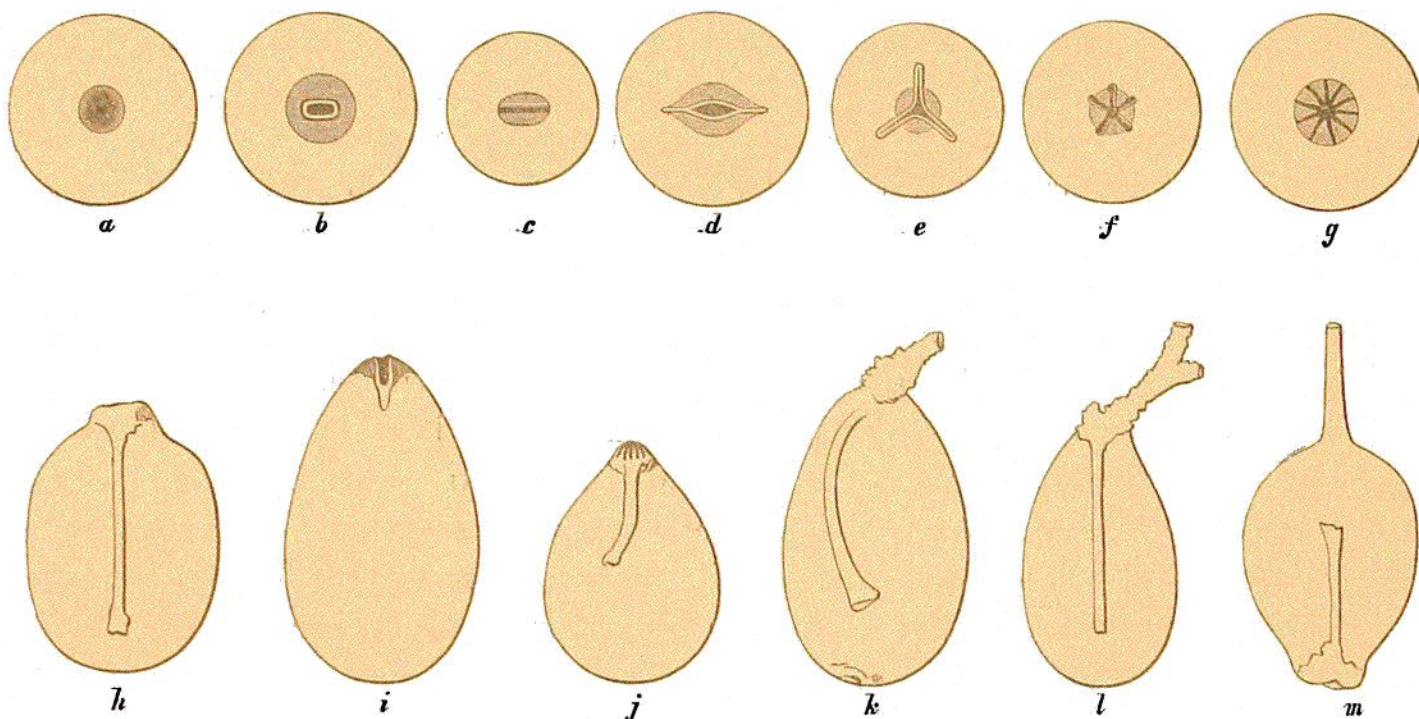


FIG. 11.—Various forms of aperture in *Lagena globosa*. Magnified 120 diameters.

a-g. Oral aspect of the shell, showing the external orifice.

- | | |
|--|-------------------------------------|
| a. Rounded orifice in a slight depression. | d. Bordered fissure. |
| b. Oval orifice with raised border. | e. Triradiate fissure, with border. |
| c. Simple elongated fissure. | f, g. Stellate orifices. |

h-m. Lateral aspect of similar shells.

- h. Specimen similar to a, showing the entosolenian tube.
i. Fissurine form like d, the internal tube hidden by the thickness of the shell.
j. Specimen with stellate orifice.
k, l. Entosolenian specimens with rough external necks, apparently of the same character as the fistular shelly growths of the *Polymorphinæ*.
m. Specimen with external (ectosolenian) neck at one end and internal tube at the other.

Lagena truncata, flask-shaped as in *Lagena laevis*, decanter-shaped as in *Lagena crenata*, cylindrical and curved as in *Lagena botelliformis*, fusiform as in *Lagena gracillima*, or elongate and tubular as in *Lagena elongata*; and many of these forms have corresponding flattened varieties, as well as others which are polygonal in outline, in addition to numerous modifications dependent to a greater or less degree upon supplementary or exogenous growths. The test is almost invariably equilateral, or in the polygonal varieties symmetrical; and this is so constant a rule that any irregularity of outline may be treated as the result of accident, or as due in some way to external conditions.