

1. *Spongoliva cerasina*, n. sp.

Cortical shell one and a fourth times as long as broad, with smooth surface, four times as broad as the outer spherical medullary shell. Spongy framework very compact, with very small meshes, its thickness equal to the diameter of the outer medullary shell.

*Dimensions*.—Length of the cortical shell 0·2, breadth 0·16; thickness of its wall 0·04; diameter of the outer medullary shell 0·04, of the inner 0·014.

*Habitat*.—Fossil in the rocks of Barbados.

2. *Spongoliva prunulina*, n. sp.

Cortical shell one and a third times as long as broad, with smooth surface, three times as large as the outer ellipsoidal medullary shell. Spongy framework very compact, with small meshes, its thickness equal to the diameter of the inner medullary shell.

*Dimensions*.—Length of the cortical shell 0·24, breadth 0·18; thickness of its wall 0·03; size of the outer medullary shell 0·08 to 0·06, of the inner 0·03.

*Habitat*.—Pacific, central area, Station 265, depth 2900 fathoms.

3. *Spongoliva persicina*, n. sp.

Cortical shell one and a half times as long as broad, with rough surface, five to six times as large as the ellipsoidal outer medullary shell. Spongy framework loose, with large meshes, its thickness about equal to the outer medullary shell.

*Dimensions*.—Length of the cortical shell 0·26, breadth 0·18; thickness of its wall 0·04; size of the outer medullary shell 0·045 to 0·035, of the inner 0·015.

*Habitat*.—Equatorial Atlantic, Station 348, depth (2450) fathoms.

4. *Spongoliva amygdalina*, n. sp.

Cortical shell twice as long as broad, with thorny surface, ten times as long as the small spherical outer medullary shell. Spongy framework loose, with large meshes, its thickness one and a half times as large as the outer medullary shell.

*Dimensions*.—Length of the cortical shell 0·3, breadth 0·16; thickness of its wall 0·045; size of the outer medullary shell 0·03, of the inner 0·015.

*Habitat*.—Fossil in the Tertiary rocks of Sicily (Caltanissetta).

Subgenus 2. *Spongolivina*, Haeckel.

*Definition*.—Surface of the shell armed with radial spines.

5. *Spongoliva opuntina*, n. sp.

Cortical shell one and a third times as long as broad, armed with numerous thin, bristle-shaped, radial spines, nearly as long as the shell. Spongy framework loose, with large meshes, its thickness nearly equal to the diameter of the outer spherical medullary shell.