

- Fig. 4. Magnified view of the abactinal system.
- „ 5. Magnified portion of test seen facing the median ambulacral line.
- „ 6. Magnified portion of test seen facing the median interambulacral line.
- „ 7. Portion of test adjoining actinostome of same.
- „ 8. Smaller specimen (n. s.) seen from the actinal side (one with banded shoes, fig. 3, Pl. V.).
- „ 9. Magnified portion of test facing median ambulacral line, from fig. 8.
- „ 9 *a*. Magnified portion of test of fig. 8, facing median interambulacral line.
- „ 10. Magnified portion of test of fig. 8, adjoining actinostome.
- „ 11. Still smaller specimen (n. s.), seen from the actinal side.
- „ 12. Magnified portion of test of fig. 11, seen facing the median ambulacral line.
- „ 13. Magnified portion of test of fig. 11, seen facing the median interambulacral line.
- „ 14. Magnified abactinal area of fig. 11.
- „ 15. Jaws of large specimen magnified.
- „ 16. Long, slender pedicellariæ among the primary radioles of test, magnified.
- „ 17. Short, spherical pedicellariæ, mainly found in space adjoining the bare part of the abactinal region of the median interambulacral space, magnified.
- „ 18. The opposite view of fig. 17.
- „ 19 *a, b, c, d*. Different forms of straight, primary radioles, mainly from the actinal edge of the test, and below the equatorial line of test; all natural size except *d* ( $\frac{2}{3}$ ).
- „ 20 *a, b, c*. Different forms of radioles, from the actinal side ( $\frac{3}{4}$ ).
- „ 20 *d* and 21 *d* are small radioles, closely packed near abactinal region of test in both areas ( $\frac{5}{8}$ ).
- „ 21 *a, b, c*. Different radioles from the actinal region of test; all natural size except *b* ( $\frac{2}{3}$ ).
- „ 22 *a, b, c*. Primary curved radioles, mainly from the equatorial region of test; natural size.
- „ *a' c'* are figures of *a* and *c* seen from above, to show the triangular shape of the shaft of the radioles.
- „ 22 *d*. Radiole, with flattened shoe, found near actinal edge of the test ( $\frac{2}{3}$ ), similar to that of the Arbaciadæ.

PLATE VI<sup>a</sup>.

*Echinus horridus*, A. Ag. (figs. 1-5), p. 115.

- Fig. 1. Abactinal system ( $\frac{3}{4}$ ).
- „ 2. Part of side of test to show the size of the spines; natural size.