

PLATE CCII.

NITOPHYLLUM PUNCTATUM, *Grev.*

GEN. CHAR. *Fronde* membranaceous, reticulated, rose-red (rarely purplish), irregularly cleft, veinless, or furnished with irregular veins towards the base. *Fructification* two-fold, on distinct plants; 1, convex *tubercles* (*coccidia*) immersed in the frond, and containing a mass of spores; 2, *tetraspores*, grouped into definite *sori* or spots, variously scattered over the frond. NITOPHYLLUM (*Grev.*),—corruptly formed from *nitor*, to *shine*, and *φυλλον*, a *leaf*.

NITOPHYLLUM *punctatum*; frond very thin and delicate, destitute of nervures, either regularly dichotomous, or cleft into two or three principal segments, whose margins are fringed with dichotomous lobes; axils rounded; spots of granules large, oblong, scattered over the whole surface of the frond.

NITOPHYLLUM *punctatum*, *Grev. Alg. Brit.* p. 79. t. 12. *Hook. Br. Fl.* vol. ii. p. 287. *Harv. in Mack. Fl. Hib.* part 3. p. 192. *Harv. Man.* p. 57. *Hook. fl. et Harv. Lond. Journ.* vol. vi. p. 403.

AGLAIOPHYLLUM *punctatum*, *Mont. Endl. 3rd Suppl.* p. 52. *Kütz. Phyc. Gen.* p. 443.

WORMSKIOLDIA *punctata*, *Spreng. Syst. Veg.* vol. iv. p. 331.

DELESSERIA *punctata*, *Ag. Sp. Alg.* vol. i. p. 186. *Ag. Syst.* p. 252. *Hook. Fl. Scot.* part 2. p. 101. *Grev. Fl. Edin.* p. 294.

DELESSERIA *ulvoides*, *Hook. Fl. Scot.* part 2. p. 101.

FUCUS *punctatus*, *With. Br. Ar.* (Ed. 6) vol. iv. p. 120. *E. Bot.* t. 1575. *Turn. Hist.* t. 71.

FUCUS *ulvoides*, *Turn. Hist.* t. 80.

ULVA *punctata*, *Stack. in Linn. Trans.* vol. iii. p. 236.

Var. *β. ocellatum*; frond with a roundish outline, cleft nearly to the base, the segments repeatedly dichotomous, linear.

NITOPHYLLUM *punctatum*, *β. ocellatum*, *Harv. Man.* p. 57.

NITOPHYLLUM *ocellatum*, *Grev. Alg. Brit.* p. 78. *Hook. Br. Fl.* vol. ii. p. 286. *Wyatt, Alg. Danm.* no. 15. *J. Ag. Alg. Medit.* p. 156.

AGLAIOPHYLLUM *ocellatum*, *Mont. in Zanard. Saggio.*, &c. p. 46. *Endl. 3rd Suppl.* p. 52. *Kütz. Phyc. Gen.* p. 443.

DELESSERIA *ocellata*, *Lam. Ess.* p. 125. *Ag. Sp. Alg.* vol. i. p. 187. *Ag. Syst.* p. 252. *Grev. Crypt.* t. 347.

WORMSKIOLDIA *ocellata*, *Spreng. Syst. Veg.* vol. iv. p. 331.

HALYMENIA *ocellata*, *Duby, Bot. Gall.* p. 945.

FUCUS *ocellatus*, *Lam. Diss.* t. 32.

FUCUS *granateus*, *Lam. Diss.* t. 33. f. 3, 4.

Var. *γ. crispatum*; frond thickish, cleft nearly to the base, the segments irregularly dichotomous, linear, with the margin strongly curled.