

colour.—It was first found on the coast of Sussex, adhering to a shell. I have since met, on the same coast, about Hastings, in the year 1765, with several specimens, whose tops were digitated, and others that were very irregularly divided." *Ellis*.

As this is very certainly distinct from the *F. papyracea* of Linnæus, I have preferred the name of Gmelin. Dr Fleming seems inclined to consider the species as a variety of the preceding. For my own part I know not how it is to be distinguished from that which follows.

3. *F. TRUNCATA*, cells linear-oblong, with smooth margins.

PLATE XXXV. Fig. 3, 4.

Fucus marinus scruposus albidus augustior compressus, extremitatibus quasi abscissis, *Raii*, Syn. 43, no. 10. *Morris*. Hist. Plant. Oxon. iii. 646, tab. 8, fig. 17, opt.—Narrow leaved Hornwrack, *Ellis*, Coral. 69, no. 1, tab. 28, fig. 1, *a. A, B*.—*Eschara foliacea β*, *Lin.* Syst. edit. 10, 804.—*E. securifrons*, *Pall.* Elench. 56.—*Flustra truncata*, *Lin.* Syst. 1300. *Mull.* Zool. Dan. prod. 253. *Ellis* and *Soland.* Zooph. 11. *Berk.* Syn. i. 214. *Turt.* Gmel. iv. 663. *Wern.* Mem. i. 563. *Turt.* Brit. Faun. 209. *Stew.* Elem. ii. 436. *Lam.* Anim. s. Vert. ii. 157. 2de edit. ii. 219. Corall. 44. *Bosc.* Vers, iii. 140. pl. 30, fig. 1. *Risso*, L'Europ. Mend. v. 334. *Grant.* in loc. cit. 111. *Flem.* Brit. Anim. 535. *Hogg's* Stock. 36. *Johnston* in Trans. Newc. Soc. ii. 264. pl. 12, fig. 1. *Templeton* in Mag. Nat. Hist. ix. 469.—*La Flustre tronquée*, *Blainv.* Actinolog. 450

Hab. In deep water, very common.

Attains a height of four or five inches, very bushy, of a straw-colour, smooth, varnished when dry, rather thin in texture, originating from a matted base formed of capillary fibres, which, by their union, compose a short stem that divides, after a dichotomous manner, into numerous flat narrowish segments, either linear or dilated upwards. From the edges of these there often sprout out wedge-shaped leaflets, affixed by a small pedicle, simple at first, but afterwards deeply bifid: the ends of all the segments are abruptly truncate. Cells linear-oblong, their septa unarmed, usually marked with a black dot towards the centre, which seems to be the remains of the shrivelled polype, and at some seasons covered with a hood-like operculum.

* * Foliaceous, with cells on one side only.

4. *F. CARBASEA*, cells oblong, narrowed and truncate below, the margin toothless. Dr Skene.

PLATE XXXVI. Fig. 1, 2.

Flustra carbacea, *Ellis* and *Soland.* Zooph. 14, pl. 3, fig. 6, 7. *Turt.* Gmel. iv. 663. *Wern.* Mem. i. 563. *Turt.* Brit. Faun. 209. *Stew.* Elem. ii. 436. *Lam.* Anim. s. Vert. ii. 157. 2de edit. ii. 221. *Bosc.*