

2. First pinnule less than twice as long as the second.
- a. Syzygial interval two joints; later cirrus-joints not specially long, 4. *exigua*, n. sp.
- β. Syzygial interval one joint; later cirrus-joints elongated, 5. *alternata*, n. sp.
- b. Cirrus-joints not specially elongated.
1. Lower joints of genital pinnules not expanded; cirrus-joints not spiny.
- a. Lower arm-joints triangular, 6. { *rosacea*, Linck, sp.
 { *petasus*, Düb. and Kor., sp.
- β. Arm-joints quadrate from the fifteenth, if not before, 7. *dübeni*, Böhlsche.
2. Genital pinnules having expanded lower joints; cirrus-joints spiny, 8. *lineata*, n. sp.
- II. First and second pinnules tolerably equal.
- a. Less than twenty cirrus-joints which are not specially elongated; syzygial interval two joints, 9. *remota*, n. sp.
- b. Over twenty cirrus-joints.
1. Elongated cirrus-joints; lower pinnules very long.
- a. Second pinnule slender like the first; syzygial interval one joint, 10. *longipinna*, n. sp.
- β. Second pinnule stouter than the first; syzygial interval two joints or more, 11. *tenuicirra*, n. sp.
2. Cirrus-joints not specially elongated.
- a. Arms smooth; axillaries long, 12. *lævis*, n. sp.
- β. Arms serrate and spiny; axillaries wide, 13. *hirsuta*, n. sp.
- III. Second pinnule longer than the first.
- a. Cirrus-joints short; syzygial interval one joint, 14. *angustipinna*, n. sp.
- b. Cirrus-joints long; syzygial interval one to five joints, 15. *abyssorum*, n. sp.
- C. Less than twelve cirrus-joints, 16. *abyssicola*, n. sp.

1. *Antedon phalangium*, Müll., sp. (Pl. XXVII. figs. 23–29; Pl. XXVIII. figs. 1–3).

Specific formula, $A. \frac{bc}{c}$.

1841. *Alecto phalangium*, Müller, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, 1841, p. 182.
1849. *Comatula (Alecto) phalangium*, Müller, Abhandl. d. k. Akad. d. Wiss. Berlin, 1849, p. 253.
1857. *Comatula Woodwardii*, Barrett, Ann. and Mag. Nat. Hist., 1857, ser. 2, vol. xix. p. 33, pl. vii. fig. 1.
1857. *Comatula celtica*, M'Andrew and Barrett, Ann. and Mag. Nat. Hist., 1857, ser. 2, vol. xx. p. 44.
1862. *Comatula phalangium*, Dujardin and Hupé, Hist. Nat. des Zoophytes, Échinodermes, Paris, 1862, p. 198.
1865. *Antedon celticus*, Norman, Ann. and Mag. Nat. Hist., 1865, ser. 3, vol. xv. p. 104.
1872. *Antedon mediterraneus*, Wyville Thomson, Proc. Roy. Soc. Edin., 1872, vol. vii. p. 765.
1872. *Antedon celticus*, Wyville Thomson, *Ibid.*, p. 765.
1879. *Antedon phalangium*, P. H. Carpenter, Trans. Linn. Soc. Lond. (Zool.), ser. 2, 1879, vol. ii. p. 29.
1879. *Antedon celtica*, P. H. Carpenter, *Ibid.*, p. 29, pl. iv. figs. 1–8.