

IV. — 2. CATALOGUE OF THE CYMATIIDAE IN 'S RIJKS MUSEUM
VAN NATUURLIJKE HISTORIE.
BY CH. BAYER.

In continuation of the "Catalogue of the Bursidae" (cf. „Zoologische Mededeelingen", vol. 14, p. 224, 1932), I now publish a list of the Cymatiidae in the collection of our Museum, after having revised that family.

We are indebted to the work of KESTEVEN, DALL, PILSBRY & VANATTA, IREDALE, and others, for a more rational classification of the Cymatiidae. This family was formerly composed of two genera, viz. "Ranella" and "Triton" of older authors. In this century, however, as a result of researches on the dentition and the characters of the shell, these two genera have been placed into two separated families: the Cymatiidae and the Bursidae; moreover, according to the above-mentioned characteristics, the tritonoid "Ranellae", belonging to the sections *Apollon* and *Biplex* are added to the former.

The family of the Cymatiidae contains now, if we follow THIELE'S interpretation, the following genera:

Argobuccinum Bruguière;
Cymatium Röding;
Distortrix Link;
Charonia Gistel.

Moreover, many species, included formerly in the section *Epidromus* of "Triton", have been transferred to other families Buccinidae and Muricidae, on account of their anatomical characteristics and peculiarities of the shell.

The bulk of the collection of the Leyden Museum, of course consists of specimens from our colonies and principally from different localities of the East Indies. For the sake of completeness, however, I mention in this catalogue too, as far as possible, the true species of Cymatiidae of which the Museum does not possess any material.

In the arrangement of the collection I followed the system proposed by THIELE in his "Handbuch der systematischen Weichtierkunde", vol. 1, 1929.

The indications concerning letter or number of order, quantity, locality and collector, are the same as in my Catalogue of the Bursidae.

Genus *Argobuccinum* Bruguière, 1792.I. Sub-genus *Argobuccinum* s. s.Sect. *Argobuccinum* s. s.

A. argus (Gmelin).

Murex argus Gmelin. Syst. nat., p. 3547, No 78, 1790.

Ranella polyzonalis Lamarek. Encycl. méth., pl. 414, fig. 3 a, b, 1816.

Ranella Kingii d'Orbigny. Voy. Amérique mérid., vol. 5, part 3, p. 451, 1835—1843.

Bursa Zelebori Dunker. Proc. Zool. Soc. London, p. 239, 1862. — Novit. Conch., p. 56, 1864.

Bursa (Apollon) proditor v. Frauenfeld. Verh. zool.-bot. Gesellsch. Wien, vol. 15, p. 894, 1865. — Moll. ges. auf Reise "Novara", p. 4, pl. 1, fig. 1 a, b, 1867.

a. 6. Cape of Good Hope, KRAUSS. — b. 3. Jeffrey's Bay (S. Africa), J. L. STAID. — c. 3. Campbay (near Cape Town), P. BUITENDIJK. — d. 1. Poeloe Raja (N.W. Sumatra), G. A. J. v. D. SANDE. — e. 1. Soerabaia, HOFSTEENGE. — f. 1. Tasmania, H. C. FULTON.

var. *ranelliformis* (King).

Triton ranelliformis King. Zool. Journ., vol. 5, p. 347, 1832.

Ranella vexillum Sowerby. Proc. Zool. Soc. London, p. 51, 1841. — Conch. ill., *Ranella*, pl. 1, fig. 3, 1841.

var. *tumida* (Dunker).

Ranella vexillum (non Sowerby) Menke. Moll. Nov. Holl. spec., p. 24, 1843.

Bursa tumida Dunker. Proc. Zool. Soc. London, p. 239, 1862. — Novit. Conch., p. 56, No. 60, pl. 18, figs. 8, 9, 1864.

Apollo argus Tate & May. Proc. Linn. Soc. New S. Wales, vol. 26, p. 356, 1901.

A. australasia (Perry).

Biplex australasia Perry. Conch., pl. 4, figs. 2, 4, 1811.

Ranella leucostoma Lamarek. Anim. s. Vert., vol. 7, p. 150, No 2, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 542, No 2, 1843.

Charonia australasiana Smith. Proc. Malac. Soc. London, vol. 11, p. 284, 1915.

a. 2. Australia,?

var. *benthicola* Iredale.

Mayena (australasia) benthicola Iredale. Rec. Austral. Mus. Sydney, vol. 17, p. 174, pl. 41, fig. 4, 1929.

var. *poecilostoma* Martens.

Ranella leucostoma Lamarek var. Sowerby. Journ. Conch., vol. 5, p. 8, 1886. — Marine Shells S. Africa, p. 9, 1892.

Ranella leucostoma Lamarek var. *poecilostoma* Martens. Gastrop. Tiefsee-Exp. "Valdivia", vol. 7, p. 56, 1903.

Charonia poecilostoma Smith. Proc. Malac. Soc. London, vol. 11, p. 285, 1915.

var. *zelandica* (Finlay).

Argobuccinum australasia Suter. Man. New Zeal. Moll., 1913.

Mayena zelandica Finlay. Trans. & Proc. New Zeal. Inst., vol. 57, p. 400, pl. 20, fig. 66, 1927.

A. rude (Broderip).

Triton rudis Broderip. Proc. Zool. Soc. London, p. 6, 1833.

a. 1. Peru, CUMING.

A. scabrum (King).

Triton scaber King. Zool. Journ., vol. 5, p. 348, 1831.

a. 5. Valparaiso, DALEN & CUMING.

Sect. *Fusitriton* Cossmann.

A. campylum (Watson).

Nassaria kampyla Watson. Journ. Linn. Soc. London, vol. 16, p. 594, 1883.

Nassaria campyla Watson. Rep. voyage "Challenger", Zool., vol. 15, p. 405, pl. 14, fig. 12, 1886.

Lampusia nodocostata Tate & May. Trans. Proc. & Rep. Roy. Soc. S. Austr., vol. 24, p. 90, 1900. — Proc. Linn. Soc. New S. Wales, vol. 26, p. 355, pl. 23, fig. 2, 1901.

a. 2. S. Australia, H. C. FULTON.

A. cancellatum (Lamarek).

Murex Magellanicus Chemnitz. Syst. Conch. Cab., vol. 10, p. 275, pl. 164, fig. 1570, 1788.

Triton cancellatum Lamarek. Anim. s. Vert., vol. 7, p. 187, No 24, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 638, No 24, 1843.

var. *oregonensis* (Redfield).

Triton Oregonense Redfield. Ann. Lyc. Nat. Hist. New-York, vol. 4, p. 165, pl. 11, fig. 2 a, b, 1846.

Tritonium (Buccinum) cancellatum Middendorff. Beitr. Malacozool. Rossica, vol. 2, p. 164, pl. 3, figs. 1—4, 1849.

a. 1. Japan, P. F. VON SIEBOLD.

A. murrayi (Smith).

Lampusia (Priene) Murrayi Smith. Proc. Zool. Soc. London, p. 436, pl. 34, fig. 1, 1891.

A. retiolum Hedley.

Argobuccinum retiolum Hedley. Biol. Res. Fishing Exper. "Endeavour", vol. 2, part 2, p. 73, pl. 11, fig. 5, 1914.

var. *laudandum* (Finlay).

Fusitriton laudandum Finlay. Trans. & Proc. N. Zealand Inst., vol. 57, p. 399, pl. 20, fig. 65, 1927.

Sect. *Gyrina* Schumacher.

A. multinodosum (Bucknill).

Mayena multinodosa Bucknill. Trans. & Proc. N. Zealand Inst., vol. 58, p. 312, pl. 35, fig. 2, 1927.

A. reticulare (Born).

Murex olearium (pars) Linné. Syst. nat., ed. 10, p. 748, 1758.

Murex reticularis Born. Testac. Mus. Caes. Vindob., p. 300, pl. 11, fig. 5, 1780.

Murex reticularis Gmelin. Syst. nat., p. 3535, No 37, 1790.

Apollon gyrinus Montfort. Conchyl. Syst., vol. 2, p. 571, 1810.

Ranella gigantea Lamarek. Encycl. méth., pl. 413, fig. 1, 1816. — Anim. s. Vert., vol. 7, p. 150, No 1, 1822.

Gyrina maculata Schumacher. Essai nouv. syst., p. 253, 1817.

Ranella ranina Blainville. Man. Malac. & Conch., p. 400, 1825.

Ranella olearium Deshayes. Encycl. méth., Vers, vol. 3, p. 877, No 1, 1830—1832.

Triton parmense Sismonda. Synopsis, p. 38, 1842.

Ranella incerta Michelotti. Foss. Mioc. Ital. Sept., p. 256, pl. 10, fig. 4, 1847.

Ranella Bronni Michelotti. Foss. Mioc. Ital. Sept., p. 257, 1847.

Ranella miocenica Michelotti. Foss. Mioc. Ital. Sept., p. 258, 1847.

Ranella parvivaricata Gray. Paetel. Catal. Conch. Samml., vol. 1, p. 105, 1887.

636. 1. Alger, P. BUITENDIJK.

var. *atlantica* Monterosato.

Ranella gigantea Lam. var. *atlantica* Monterosato. Conch. prof. mare Palermo, p. 19, 1890.

a. 2. American Sea, ?

var. *bicanalata* De Gregorio.

Ranella reticularis (L.) Born var. *bicanalata* De Gregorio. Bull. Soc. Malac. Ital., vol. 10, p. 109, 1883.

Sect. *Cymatiella* Iredale.

A. columnarium (Hedley & May).

Cymatium columnarium Hedley & May. Rec. Austral. Mus. Sydney, vol. 7, p. 119, pl. 23, fig. 15, 1908.

A. eburneus Reeve.

Triton eburneum Reeve. Proc. Zool. Soc. London, p. 118, 1844. —
Conch. Icon., Triton, sp. 69, pl. 17, fig. 69, 1844.

a. 1. Australia, E. DEYROLLE.

var. *lesueuri* (Iredale).

Cymatiella lesueuri Iredale. Rec. Austral. Mus. Sydney, vol. 17, p. 175, pl. 40, fig. 11, 1929.

A. nassariforme (Sowerby).

Lotorium nassariforme Sowerby. Moll. of S. Africa in Marine invest. in S. Afr., vol. 2, p. 95, pl. 2, fig. 7, 1902.

a. 1. Kii (Japan), H. C. FULTON.

A. peronianum (Iredale).

Cymatiella peroniana Iredale. Rec. Austral. Mus. Sydney, vol. 17, p. 176, pl. 40, fig. 9, 1929.

A. petulans (Hedley & May).

Septa petulans Hedley & May. Rec. Austral. Mus. Sydney, vol. 7, p. 118, pl. 23, fig. 14, 1908.

A. quoyi (Reeve).

Triton Quoyi Reeve. Conch. Icon., Triton, sp. 93, pl. 19, fig. 93, 1844.

Triton viperinum (non Lamarek) Kiener. Icon. coq. viv., Triton, p. 39, No 31, pl. 18, fig. 4, 1843.

a. 2. Australia, E. DEYROLLE.

var. *gaimardi* (Iredale).

Cymatiella gaimardi Iredale. Rec. Austral. Mus. Sydney, vol. 17, p. 176, pl. 40, fig. 7, 1929.

A. verrucosum (Reeve).

Triton verrucosus Reeve. Proc. Zool. Soc. London, p. 118, 1844. —
Conch. Icon., Triton, sp. 71, pl. 17, fig. 71, 1844.

a. 2. S. Australia, H. C. FULTON.

II. Sub-genus *Gyrineum* Link, 1807.Sect. *Gyrineum* s.s.*A. bituberculare* (Lamarck).

Ranella bitubercularis Lamarck. Encycl. méth., pl. 412, fig. 6, 1816. — Anim. s. Vert., vol. 7, p. 153, No 11, 1822.

Ranella olivator Meusch. Mörch. Catal. conch. Yoldi, p. 106, 1852.

a. 2. ? Brazil, d'ORBIGNY. — b. 8. Noordwachter Isl. (Bay of Batavia), L. DE PRIESTER. — c. 1. N. off Bengkalis Isl. (near Sumatra), G. A. J. v. D. SANDE. — d. Atjeh (Sumatra), G. A. J. v. D. SANDE.

A. chemnitzii (Küster).

Murex Gyrinus var. Chemnitz. Syst. Conch. Cab., vol. 11, p. 129, pl. 193, figs. 1860 & 1861, 1795.

Ranella Chemnitzii Küster. Martini & Chemnitz. Syst. Conch. Cab., vol. 3, part 2, Purpurschn., p. 148, No 27, pl. 39, figs. 3, 4, 1878.

A. cuspidatum (Reeve).

Ranella cuspidata Reeve. Proc. Zool. Soc. London, p. 139, 1844. — Conch. Icon., *Ranella*, sp. 48, pl. 8, fig. 48, 1844.

A. gyrimum (Linné).

Murex Gyrinus Linné. Syst. nat., ed. 10, p. 748, 1758. — Syst. nat., ed. 12, p. 1216, 1767.

Ranella ranina Lamarck. Encycl. méth., pl. 412, fig. 2 a, b, 1816. — Anim. s. Vert., vol. 7, p. 154, No 12, 1822.

a. 11. Amboyna, HOEDT. — b. 8. Timor, WIENECKE & ZIJNEN WARTEL. — c. 3. W. & S. off Semaue Isl. (near Timor), H. TEN KATE. — d. 1. ? Madura, MANGOLD. — e. 1. Fak-fak (N. W. New-Guinea), PALMER v. D. BROEK. — f. 5. Madura, from E. F. JOCHIM's collection. — g. 2. Amboyna, from E. F. JOCHIM's collection. — h. 1. Wijnkoopsbaai (S. W. Java), from E. F. JOCHIM's collection. — i. 2. Manoekwari (New-Guinea), W. C. VAN HEURN.

A. hastula (Reeve).

Ranella hastula Reeve. Proc. Zool. Soc. London, p. 139, 1844. — Conch. Icon., *Ranella*, sp. 42, pl. 8, fig. 42, 1844.

A. natator (Roeding).

Tritonium natator Bolten. Roeding. Mus. Boltenianum, No 1636, p. 127, 1798.

Ranella tuberculata Broderip. Proc. Zool. Soc. London, p. 179, 1832.

Bursa fusco-costata Dunker. Proc. Zool. Soc. London, p. 239, 1862. — Novit. Conch., p. 57, sp. 61, pl. 19, figs. 1, 2, 1858—1870.

a. 8. Tjilatjap (S. Java), OVERDIJK. — b. 2. Banka, BUDDINGH. — c. 1. Timor, WIENECKE. — d. 2. China, DAMON. — e. 2. Pacific Ocean, KRAMER. — f. 5. Madura, from E. F. JOCHIM's collection. — g. 1. ? Madura, MANGOLD. — h. 1. Dorehbaai (New-Guinea), from E. F. JOCHIM's collection. — i. 1. Wijnkoopsbaai (S. W. Java), from E. F. JOCHIM's collection. — j. 1. Adyar (near Madras), ? — k. 1. Medan (E. Sumatra), J. C. B. HÜNER.

A. pacator (Iredale).

Gyrineum pacator Iredale. Rec. Austral. Mus. Sydney, vol. 18, p. 214, pl. 23, fig. 3, 1931.

A. pusillum (Broderip).

Ranella pusilla Broderip. Proc. Zool. Soc. London, p. 194, 1832.

Triton lacunatum Mighels. Bost. Proc., vol. 2, p. 24, 1845.

Triton laciniatum Mighels. Pease. Amer. Journ. Conch., vol. 4, p. 107, 1868.

a. 3. Timor, ZIJNEN WARTEL. — b. 2. ?, from TOBIAS' collection.

var. *concinna* (Dunker).

Bursa concinna Dunker. Proc. Zool. Soc. London, p. 239, 1862. — Novit. Conchol., p. 55, No 58, pl. 18, figs. 3, 4, 1858—1870.

Ranella sagitta Küster. Martini & Chemnitz. Syst. Conch. Cab., vol. 3, part 2, Purpurschn., p. 147, No 26, pl. 38a, fig. 6, 1878.

a. 3. Red Sea, FORSKAL.

var. *polychlorus* (Tapparone-Canefri).

Ranella polychloros Tapparone-Canefri. Ann. Mus. Civ. Storia Nat. Genova, vol. 12, p. 1028, 1875.

var. *rosea* (Reeve).

Ranella rosea Reeve. Proc. Zool. Soc. London, p. 139, 1844. — Conch. Icon., *Ranella*, sp. 46, pl. 8, fig. 46, 1844.

A. wilmerianum (Preston).

Gyrineum wilmeriana Preston. Rec. Indian Mus., vol. 2, part 2, p. 195, pl. 15, fig. 37, 1908.

Sect. *Biplex* Perry.

A. perca (Perry).

Biplex perca Perry. Conch., pl. 4, fig. 5, 1811.

Ranella pulchra Gray. Sowerby. Conch. ill., *Ranella*, pl. 6, fig. 19, 1844.

Ranella jucunda Adams. Proc. Zool. Soc. London, p. 70, No 3, 1853.

a. 1. Japan, P. F. VON SIEBOLD. — b. 1. Enoshima Isl. (Japan), H. VAN OORDT VAN LAUWERECHT. — c. 2. Japan, from E. F. JOCHIM's collection.

var. *aculeata* Schepman.

Gyrineum (Biplex) perca Perry var. *aculeata* Schepman. Prosobr. "Siboga" Exp., Mon. 49¹b, p. 115, pl. 10, fig. 1 a, b, c, 1909.

var. *pulchella* (Forbes).

Ranella pulchella Forbes. Voy. "Rattlesnake", vol. 2, p. 382, pl. 3, fig. 6 a, b, 1852.

A. microstoma (Fulton).

Bursa (Biplex) microstoma Fulton. Proc. Malac. Soc. London, vol. 19, p. 16, pl. 2, figs. 2, 3, 1930.

Genus *Cymatium* Röding, 1798.

I. Sub-genus *Linatella* Gray, 1857.

C. cingulatum (Lamarck).

Dolium rostratum Martini. Syst. Conch. Cab., vol. 3, pl. 118, fig. 1083, 1777.

Fusus cutaceus Lamarck. Encycl. méth., pl. 427, fig. 4, 1816.

Cassidaria cingulata Lamarck. Anim. s. Vert., vol. 7, p. 216, No 3, 1822. — Anim. s. Vert., éd. Desh., vol. 10, p. 9, No 3, 1844.

Buccinum caudatum Wood. Index testac., pl. 22, fig. 9, 1825.

Fusus Voigtii Anton. Verzeichn. d. Conch., p. 77, 1839.

Triton undosum Kiener. Icon. coq. viv., Triton, p. 44, No 35, pl. 6, fig. 2, 1843.

a. 1. Indian Ocean, VOIGT. — b. 1. Larantoeka (Flores), J. SEMMELINK. — c. 1. Amboyna, ? — d. 1. ? Madura, MANGOLD. — e. 1. Madura, from E. F. JOCHIM's collection. — f. 1. Amboyna, CH. JELLEMA. — g. 1. N. E. coast of Venezuela, H. TEN KATE.

C. wiegmanni (Anton).

Argo-buccinum nodosum Martini. Syst. Conch. Cab., vol. 4, pl. 131, fig. 1256, 1780.

Triton Wiegmanni Anton. Verzeichn. d. Conch., p. 77, 1839.

Triton Chemnitzii (non Gray) Reeve. Conch. Icon., Triton, sp. 37, pl. 11, fig. 37, 1844.

Cassidaria setosa Hinds. Reeve. Conch. Icon., Triton, sp. 37, 1844.

Triton perforatus Conrad. Proc. Acad. Nat. Sci. Philad., vol. 4, p. 156, 1849.

a. 1. California, VERREAUX. — b. 1. Panama City, JAM. ZETEK.

C. poulsenii (Mörch).

Buccinum costatum Meuschen. Mus. Gevers., No 605, 1787.

Triton (Linatella) Poulsenii Mörch. Malakoz. Bl., vol. 24, p. 33, 1877.

II. Sub-genus *Gelagna* Schaufuss, 1869.

C. clandestinum (Lamarck).

Triton clandestinum Lamarck. Anim. s. Vert., vol. 7, p. 187, No 26, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 639, No 26, 1843.

a. 6. Amboyna, HOEDT. — b. 4. Tjilatjap (S. Java), OVERDIJK. — c. 1. North Timor, ZIJNEN WARTEL. — d. 2. Semaoe Isl. (near Timor), H. TEN KATE. — e. 5. Madura, from E. F. JOCHIM's collection. — f. 1. Banda Is., ? — g. 1. Wijnkoopsbaai (S. W. Java), from E. F. JOCHIM's collection. — h. 1. Timor, WIENECKE.

C. lignarius (Broderip).

Triton lignarius Broderip. Proc. Zool. Soc. London, p. 5, 1833.

a. 1. Sta Elena (Ecuador), CUMING.

C. tranquebaricum (Lamarck).

Murex Argus fasciatus Chemnitz. Syst. Conch. Cab., vol. 10, p. 240, pl. 160, fig. 1522, 1788.

Triton tranquebaricum Lamarck. Anim. s. Vert., vol. 7, p. 189, No 30, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 642, No 30, 1843.

Triton balteatus Beck. Reeve. Conch. Icon., Triton, sp. 55, 1844.

Triton Adansonii Dunker. Index Moll. Guin., p. 26, No 66, 1853.

a. 1. Liberia, J. BÜTTIKOFER. — b. 1. Congo, ?

III. Sub-genus *Cabestana* Röding, 1798.

Sect. *Monoplex*.

C. parthenopus (Von Salis).

Le Vojet Adanson. Hist. Nat. Sénégal, Coquillages, p. 118, pl. 8, fig. 2, 1757.

Murex olearium (pars) Linné. Syst. nat., ed. 10, p. 748, 1758.

Murex costatus (pars) Born. Testac. Mus. Caes. Vindob., p. 297, 1780.

Murex parthenopus Von Salis. Reisen in versch. Prov. Königr. Neap., vol. 1, p. 370, pl. 7, fig. 1, 1793.

Monoplex Australasiae Perry. Conch., pl. 3, fig. 3, 1811.

Triton parthenopoeus Wood. Index testac., p. 127, pl. 25, fig. 30, 1818.

Triton succinctum Lamarck. Anim. s. Vert., vol. 7, p. 181, No 8, 1822. — Anim. s. Vert., édit. Desh., vol. 9, p. 628, No 8, 1843.

- Triton pileare* (non Linné) d'Orbigny. Moll. rec. aux îles Canaries, part 2, p. 94, No 149, 1834.
- Triton brazilianum* Gould. Proc. Boston Soc. Nat. Hist., vol. 3, p. 142, 1849.
- Triton americanum* d'Orbigny. Moll. Cuba, vol. 2, p. 163, No 335, pl. 23, fig. 22, 1853.
- Triton olearium* (non Linné) Weinkauff. Journ. de Conch., vol. 10, p. 362, 1862.
- Triton (Simpulum) acclivis* Hutton. Catal. New Zealand Mar. Moll., p. 13, No 33, fig. 8, 1873.
- Tritonium Parthenopes* Dunker. Index Moll. Japon., p. 28, 1882.
- a. 7. Japan, P. F. VON SIEBOLD. — b. 1. Indian Ocean, SMITSAARD. — c. 1. Naples, ? — 840. 1. Indian Ocean, MACKLOT. — e. 1. Moluccas, ? — f. 2. Algiers, P. BUITENDIJK. — g. 1. Japan, P. F. VON SIEBOLD. — 879. 1. Bay of Naples, G. STIASNY.
- var. *milonum* De Gregorio.
- Triton Parthenopum* Salis var. *milonum* De Gregorio. Bull. Soc. Malac. Italiana, vol. 10, p. 95, 1883.
- var. *peribrantum* De Gregorio.
- Triton Parthenopum* Salis var. *peribrantum* De Gregorio. Bull. Soc. Malac. Italiana, vol. 10, p. 96, 1883.
- C. problematicum* Dautzenberg & Fischer.
- Cymatium (Simpulum) problematicum* Dautzenberg & Fischer. Rés. Camp. Scient., Monaco, fasc. 32, p. 33, pl. 3, figs. 2—5, 1906.
- C. spengleri* (Lamarek).
- Murex cutaceus maximus* Chemnitz. Syst. Conch. Cab., vol. 10, p. 266, pl. 163, figs. 1559, 1560, 1788.
- Murex Spengleri* Chemnitz. Syst. Conch. Cab., vol. 11, p. 117, pl. 191, figs. 1839, 1840, 1795.
- Murex cutanus* Var. Dillwyn. Descr. catal. rec. shells, vol. 2, p. 697, 1817.
- Triton Spengleri* Lamarek. Anim. s. Vert., vol. 7, p. 181, No 6, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 627, No 6, 1843.
- Tritonium tabulatum* Menke. Moll. Nov. Holland., p. 25, No 119, 1843. — Zeitschr. f. Malakoz., p. 60, 1844.
- Tritonium Barthelemyi* Bernardi. Journ. de Conch., vol. 6, p. 54, pl. 1, fig. 1, 1857.
- a. 2. Australia, ?
- var. *procera* (Iredale).
- Cymatium (spengleri) procerum* Iredale. Rec. Austr. Mus. Sydney, vol. 17, p. 173, pl. 41, fig. 1, 1929.

Sect. *Cabestana* s.s.

C. africanum (Adams).

Triton africanus Adams. Proc. Zool. Soc. London, p. 312, 1854.

Triton cutaceus var. *Africana* Sowerby. Mar. Shells of S. Africa, p. 7, 1892.

a. 2. Coast of America, ? — b. 1. ?, from DALEN's collection. — c. 2. Jeffrey's Bay (S. Africa), J. L. STAID. — d. 1. South Africa, G. VAN ROON.

C. boltenianum (Adams).

Triton (Cabestana) boltenianus Adams. Proc. Zool. Soc. London, p. 311, 1854.

C. cutaceum (Linné).

Murex cutaceus Linné. Syst. nat., ed. 12, p. 1217, 1767.

Murex succinctum Risso. Hist. nat. Eur. Mérid., vol. 4, p. 198, fig. 121, 1826.

Ranella tuberculata Risso. Hist. nat. Eur. Mérid., vol. 4, p. 202, fig. 11, 1826.

a. 6. Naples, F. CANTRAINE. — b. 5. Atlantic Ocean, ? — c. 4. Mediterranean, ?

var. *curta* Bucquoy, Dautzenberg & Dollfus.

Triton cutaceus var. *curta* Bucquoy, Dautzenberg & Dollfus. Moll. mar. Rouss., p. 32, pl. 5, fig. 3, 1882.

var. *danieli* (Locard).

Triton cutaceus Hidalgo. Mol. marin. Esp., pl. 56, figs. 7, 8, 1870.

Tritonium Danieli Locard. mss., 1884. — Prodr. Malac. franç., pp. 156, 559, 1886.

a. 1. Naples, F. CANTRAINE.

C. doliarium (Linné).

Murex doliarium Linné. Syst. nat., ed. 12, p. 1223, 1767.

Purpura tuberculata (non Risso) Küster. Martini & Chemnitz. Syst. Conch. Cab., Purpura, p. 146, pl. 24a, fig. 6, 1858.

a. 8. Coast of America, ? — b. 3. ?, from TOBIAS' collection. — c. 4. Port Elisabeth (S. Africa), J. L. STAID. — d. 1. South Africa, G. VAN ROON.

C. dorsuosum (Adams).

Cabestana dorsuosa Adams. Ann. & Mag. of Nat. Hist., ser. 4, vol. 5, p. 420, 1870.

C. fossatum (Gould).

Triton fossatus Gould. Proc. Boston Soc. Nat. Hist., vol. 7, p. 329, 1860.

C. klenei (Sowerby).

Triton Klenei Sowerby. Journ. of Conch., vol. 6, p. 150, 1889. —

Mar. Shells of S. Africa, p. 8, pl. 4, fig. 87, 1892.

a. 1. S. Africa, E. DEYROLLE.

C. waterhousei (Adams & Angas).

Triton waterhousei Adams & Angas. Proc. Zool. Soc. London, p. 35, 1864.

a. 2. West Port Bay (Victoria), H. C. FULTON.

var. *frigidula* Iredale.

Cymatium waterhousei frigidulum Iredale. Rec. Austral. Mus. Sydney, vol. 17, p. 177, pl. 41, fig. 2, 1929.

Sect. *Turritriton* Dall.

C. adairense Dall.

Cymatium adairense Dall. Nautilus, Boston Mass., vol. 24, p. 33, 1910.

C. gibbosum (Broderip).

Triton gibbosus Broderip. Proc. Zool. Soc. London, p. 7, 1833.

a. 1. Gulf of California, H. TEN KATE.

C. labiosum (Wood).

Murex labiosus Wood. Index testac. Suppl., p. 15, pl. 5, fig. 18, 1828.

Tritonium rutilum Menke. Moll. Nov. Holland. Spec., p. 25, No 120, 1843.

a. 1. Amboyna, HOEDT. — b. 2. ?, from TOBIAS' collection. — c. 1. Ternate (Moluccas), from E. F. JOCHIM's collection. — d. 1. Wijnkoopsbaai (S. W. Java), L. DE PRIESTER. — e. 1. Wetar Isl. (N. of Timor), K. SCHÄDLER.

var. *loroisi* (Petit de la Saussaye).

Triton loroisi Petit de la Saussaye. Journ. de Conch., vol. 3, p. 53, pl. 2, fig. 8, 1852.

var. *orientalis* (Nevill).

Triton gibbosus Broderip. Reeve. Conch. Icon., Triton, pl. 11, fig. 38a, 1844.

Triton (Gutturium) orientalis Nevill. Journ. Asiat. Soc. Bengal, vol. 43, 2, p. 29, 1874.

a. 1. Haingsisi (Semaoc Isl.), Siboga Expedition.

var. *strangei* (Adams & Angas).

Triton strangei Adams & Angas. Proc. Zool. Soc. London, p. 35, 1864.

Triton (Simpulum) strangei Smith. Proc. Zool. Soc. London, p. 816, pl. 50, fig. 16, 1878.

IV. Sub-genus *Lampusia* Schumacher, 1817.

C. beccarii (Tapparone-Canefri).

Tritonium Beccarii Tapparone-Canefri. Muric. Mar. Rosso, p. 23. — Ann. Mus. civico Genova, p. 587, pl. 19, fig. 7, 1875.

C. chlorostomum (Lamarck).

Triton chlorostomum Lamarck. Anim. s. Vert., vol. 7, p. 185, No 20, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 636, No 20, 1843.

Triton pulchellus Adams. Contr. to Conch., p. 60, 1850.

a. 2. Tjilatjap (S. Java), OVERDIJK. — b. 4. Timor, WIENECKE & ZIJNEN WARTEL. — c. 5. North and West coast of Curacao, A. J. VAN KOOLWIJK. — d. 3. St. Thomas, F. v. CALKER. — e. 3. West Indies, KRAEPELIN & HOLM. — f. 6.?, from DALEN's collection and from the "Old Collection". — g. 1. ? Amboyna, E. E. W. G. SCHRÖDER. — h. 1. Dorehbaai (N. Guinea), from E. F. JOCHIM's collection. — i. 1. Leksoela (Boeroe Isl.), W. C. VAN HEURN.

C. corrugatum (Lamarck).

Murex pileare (non Lamarck) Von Salis. Reisen in versch. Prov. Königr. Neap., vol. 1, p. 370, 1793.

Triton corrugatum Lamarck. Anim. s. Vert., vol. 7, p. 181, No 7, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 628, No 7, 1843.

a. 9. Mediterranean, F. CANTRAINE. — 839. 2. Mediterranean, F. CANTRAINE. — c. 3. Positano, G. STIASNY. — d. 4.?, ?

var. *krebsi* (Mörch).

Triton Krebsii Mörch. Malakoz. Bl., vol. 24, p. 30, No 362, 1877.

var. *tremperi* Dall.

Cymatium corrugatum var. *Tremperi* Dall. Nautilus, Boston Mass., vol. 21, p. 85, 1907.

Triton gemmatum (Reeve).

Triton gemmatus Reeve. Proc. Zool. Soc. London, p. 117, 1844. — Conch. Icon., Triton, sp. 60, pl. 15, fig. 60, 1844.

Triton mundum Gould. Bost. Proc., p. 143, 1849.

a. 1. North of Timor, ZIJNEN WARTEL. — b. 1.?, from HOOGEVEEN's collection. — c. 2. Madura, from E. F. JOCHIM's collection. — d. 1. Sabang (Poeloe We), L. DE PRIESTER. — e. 1. Leksoela (Boeroe Isl.), W. C. VAN HEURN. — f. 1. Philippines, E. DEYROLLE.

C. granulatum (Dunker).

Tritonium granulatum Dunker. Malakoz. Bl., vol. 18, p. 166, 1871.

C. lineatum (Broderip).

Triton lineatus Broderip. Proc. Zool. Soc. London, p. 6, 1833.

C. pharcidum (Dall).

Lampusia? *pharcida* Dall. Rep. results dredging "Blake", Mollusca, part 2, Bull. Mus. Comp. Zool. Cambridge, vol. 18, p. 227, pl. 36, fig. 2, 1889.

C. philomelae (Watson).

Triton philomelae Watson. Prelim. Rep. "Challenger", part 7, Journ. Linn. Soc. London, vol. 15, p. 268, 1880. — Rep. scient. res. voy. "Challenger", Zool., vol. 15, p. 391, pl. 14, fig. 10, 1886.

C. pileare (Linné).

Murex pileare Linné. Syst. nat., ed. 12, p. 1217, 1767.

Triton haemastoma Valenciennes. Rec. d'observ. de Zool., vol. 2, p. 302, 1833.

a. 8. Indian Ocean, REINWARDT. — b. 7. Amboyna, HOEDT. — c. 3. Tjilatjap (S. Java), OVERDIJK. — d. 4. Straits of Larantoea, J. SEMMELINK. — e. 3. Timor, WIENECKE & ZIJNEN WARTEL. — f. 1. Aroe Is., VON ROSENBERG. — g. 1. Ceram, HOEDT. — h. 1. Misool, HOEDT. — i. 2. Nossi Bé (near Madagascar), POLLEN & v. DAM. — 836. 2. Amboyna, FORSTEN. — 837. 2. Indian Ocean, REINWARDT. — l. 2. Nias Isl. (near Sumatra), E. E. W. G. SCHRÖDER. — m. 1. Madura, MANGOLD. — n. 5. & o. 2. Madura, from E. F. JOCHIM's collection. — p. 1. Ternate (Moluccas), from E. F. JOCHIM's collection. — q. 1. Banda Is., from E. F. JOCHIM's collection. — r. 4. Poeloe We (near Sumatra), P. BUITENDIJK. — s. 3. Skroë (N. Guinea), K. SCHÄDLER.

var. *aquatilis* (Reeve).

Triton aquatilis Reeve. Proc. Zool. Soc. London, p. 114, 1844. — Conch. Icon., Triton, sp. 24, pl. 7, fig. 24, 1844.

a. 6. American Sea, ? — b. 1. St. Thomas (West Indies), CALKER. — c. 3. Tjilatjap (S. Java), OVERDIJK. — d. 1. North Halmaheira, BERNSTEIN. — e. 1. Timor, WIENECKE. — f. 1. Nossi Falli (near Madagascar), POLLEN & v. DAM. — g. 11. ?, from HOOGEVEEN's collection. — 835. 1. Amboyna, FORSTEN. — i. 1. Moluccas, from E. F. JOCHIM's collection. — j. 3. Djeddah, J. A. KRUYT. — k. 1. Honolulu (Sandwich Is.), P. BUITENDIJK. — l. 3. Banda Is., ? — m. 1. Skroë (N. Guinea), K. SCHÄDLER.

var. *martiniana* (d'Orbigny).

Triton Martinianum d'Orbigny. Moll. Cuba, vol. 2, p. 162, 1853.

Triton intermedius Pease. Amer. Journ. Conch., vol. 5, p. 74, 1869.

Triton Veliei Calkins. Proc. Davenport Acad. Sci., vol. 2, p. 235, pl. 8, figs. 1, 2, 1878.

a. 5. American Sea, ? — b. 2. West Indies, KRAEPELIN & HOLM. — c. 1. Curacao, EPP. — d. 1. St. John (West Indies), KRAEPELIN & HOLM. — e. 1. Porto Rico, H. B. PRESTON. — f. 1. Curacao, A. J. v. KOOLWIJK.

var. *vestita* (Hinds).

Triton vestitus Hinds. Proc. Zool. Soc. London, p. 21, 1844. — Zool. of voy. "Sulphur", Moll. 2, p. 11, pl. 4, figs. 1, 2, 1844.

C. rubeculum (Linné).

Murex rubecula Linné. Syst. nat., ed. 12, p. 1218, 1767.

Septaria scarlatina Perry. Conch., pl. 14, fig. 2, 1811.

a. 4. Tjilatjap (S. Java), OVERDIJK. — b. 25. Amboyna, HOEDT. — c. 1. Ceram, HOEDT. — d. 6. Larantoeke (Flores), J. SEMMELINK. — e. 1. North Timor, ZIJNEN WARTEL. — f. 2. Mauritius, FRANK. — g. 1. ? Madura, MANGOLD. — h. 7. Madura, from E. F. JOCHIM's collection. — i. 6. Ternate (Moluccas), from E. F. JOCHIM's collection. — j. 3. Amboyna, from E. F. JOCHIM's collection. — k. 2. Nossi Bé (near Madagascar), POLLEN & v. DAM. — l. 2. Doreh Baai (N. Guinea).

C. trigonum (Gmelin).

Murex trigonus Gmelin. Syst. nat., vol. 1, pars 6, p. 3549, No 84, 1790.

Triton caudata Kiener. Icon. coq. viv., Triton, p. 16, No 12, pl. 9, fig. 2, 1843.

Triton ficoides Reeve. Proc. Zool. Soc. London, p. 116, 1844. — Conch. Icon., Triton, sp. 51, pl. 13, fig. 51, 1844.

Triton Samier Petit. Journ. de Conch., vol. 3, p. 44, pl. 2, fig. 10, 1852.

a. 2. Africa, ?

V. Sub-genus *Cymatium* s. s.

C. armatum (Sowerby).

Lotorium armatum Sowerby. Proc. Malac. Soc. London, vol. 2, p. 137, pl. 11, fig. 1, 1896.

C. dunkeri (Lischke).

Triton Dunkeri Lischke. Malakoz. Bl., vol. 15, p. 219, 1868. — Jap. Meeres-Conch., vol. 1, p. 49, pl. 3, figs. 1, 2, 1869.

C. durbanense (Smith).

Lotorium durbanense Smith. Journ. of Conch., vol. 9, p. 248, pl. 5, fig. 4, 1899.

C. femorale (Linné).*Murex femorale* Linné. Syst. nat., ed. 12, p. 1217, 1767.*Lotorium lotor* Montfort. Conchyl. syst., vol. 2, p. 583, 1810.*Triton lotorium* Lamarck. Encycl. méth., p. 415, fig. 2, 1816.

a. 7. American Sea, VOIGT. — b. 1. Curacao, EPP. — c. 1. St. Thomas (West Indies), CALKER. — d. 1. West Indies, KRAEPELIN & HOLM. — e. 3. ?, from COSIJN's collection.

C. lotorium (Linné).*Murex lotorium* Linné. Syst. nat., ed. 12, p. 1217, 1767.*Cymatium rhinoceros* Bolten. Mus. Bolt., p. 129, No 1620, 1798.*Triton distortum* Lamarck. Encycl. méth., pl. 415, fig. 3, 1816.

a. 10. Amboyna, HOEDT. — b. 2. North Timor, ZIJNEN WARTEL. — c. 2. Ceylon, M. M. SCHEPMAN. — d. 4. Madura, from E. F. JOCHIM's collection. — e. 1. Larantoeika (Flores), KROON. — f. 1. Wijnkoopsbaai (S. W. Java), from E. F. JOCHIM's collection.

var. *grandimaculata* (Reeve).*Triton grandimaculatus* Reeve. Proc. Zool. Soc. London, p. 113, 1844. —

Conch. Icon., Triton, sp. 20, pl. 6, fig. 20, 1844.

a. 1. Boeton Isl. (near Celebes), from E. F. JOCHIM's collection.

C. münsteri (Anton).*Triton Münsteri* Anton. Verzeichn. d. Conch., p. 83, 1839.*C. pyrum* (Linné).*Murex pyrum* Linné. Syst. nat., ed. 12, p. 1218, 1767.*Triton lotorium* Mörb. Cat. conch. Yoldi, p. 109, 1852.

a. 6. Indian Ocean, ? — b. 9. Amboyna, HOEDT. — c. 2. North Timor, ZIJNEN WARTEL. — d. 1. Banda Is., from E. F. JOCHIM's collection.

C. tigrinum (Broderip).*Triton tigrinus* Broderip. Proc. Zool. Soc. London, p. 5, 1833.var. *ranzanii* (Bianconi).*Triton Ranzanii* Bianconi. Revue et Mag. Zool., p. 217, 1851. —

Zool. Mozambicana, p. 63, pl. 3, figs. 1, 2, 1851.

C. tripus (Lamarck).*Murex tripus* Chemnitz. Syst. Conch. Cab., vol. 11, p. 128, pl. 193, figs. 1858, 1859, 1795.*Murex femorale* Var. Dillwyn. Descr. catal. rec. shells, vol. 2, p. 697, 1817.*Triton tripus* Lamarck. Anim. s. Vert., vol. 7, p. 184, No 14, 1822. —

Anim. s. Vert., éd. Desh., vol. 9, p. 634, No 14, 1843.

a. 7. ?, ?

VI. Sub-genus *Ranularia* Schumacher, 1817.

Sect. *Ranularia* s. s.

C. caudatum (Gmelin).

Murex caudatus Gmelin. Syst. nat., p. 3535, No 34, 1790.

Triton canaliferum Lamarck. Anim. s. Vert., vol. 7, p. 184, No 15, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 634, No 15, 1843.

a. 1. ? Madura, MANGOLD. — b. 1. Moluccas, ? — c. 4. Madura, from E. F. JOCHIM's collection.

C. clavator (Dillwyn).

Murex Clavator Chemnitz. Syst. Conch. Cab., vol. 11, p. 110, pl. 190, figs. 1825, 1826, 1795.

Murex pyrum Var. B Dillwyn. Descr. catal. rec. shells, vol. 2, p. 700, 1817.

Murex clavator Dillwyn. Descr. catal. rec. shells, vol. 2, p. 701, No 39, 1817.

Ranularia longirostra Schumacher. Essai nouv. syst., p. 254, 1817.

Triton clavator Lamarck. Anim. s. Vert., vol. 7, p. 185, No 17, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 635, No 17, 1843.

a. 3. Indian Ocean, ? — b. 3. Amboyna, HOEDT. — c. 2. ?, from HOOGEVEEN's collection. — d. 2. Madura, from E. F. JOCHIM's collection. — e. 1. Wetar Isl. (N. of Timor), K. SCHÄDLER.

C. cynocephalum (Lamarck).

Triton cynocephalum Lamarck. Anim. s. Vert., vol. 7, p. 184, No 13, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 633, No 13, 1843.

Triton moritinctus Reeve. Proc. Zool. Soc. London, p. 115, 1844. — Conch. Icon., Triton, sp. 49, pl. 13, fig. 49, 1844.

a. 4. Indian Ocean, ? — b. 2. West Indies, KRAEPELIN & HOLM. — c. 4. Japan, P. F. VON SIEBOLD. — d. 1. Mouth of the Suriname river, W. C. VAN HEURN. — e. 2. ?, from COSIJN's collection. — f. 1. ?, ?

C. encausticum (Reeve).

Triton encausticus Reeve. Proc. Zool. Soc. London, p. 115, 1844. — Conch. Icon., Triton, sp. 43, pl. 12, fig. 43, 1844.

C. exile (Reeve).

Monoplex formosus (?) Perry. Conch., pl. 3, fig. 5, 1811.

Triton clavator (non Dillwyn) Sowerby. Genera of Shells, Triton, fig. 3, 1830.

Triton clavator (non Dillwyn) Reeve. Conch. Syst., vol. 2, p. 198, pl. 243, fig. 3, 1842.

- Triton exilis* Reeve. Proc. Zool. Soc. London, p. 111, 1844. — Conch. Icon., Triton, sp. 11, pl. 4, fig. 11 a, b, 1844.
 a. 2. Indian Ocean, M. VAN DOORN. — b. 5. Amboyna, HOEDT. —
 c. 1. Moluccas, ? — d. 1. Amboyna, CH. JELLEMA.

C. moniliferum (Adams & Reeve).

Triton monilifer Adams & Reeve. Zool. Voy. "Samarang", p. 37, pl. 10, fig. 18, 1848.

a. 2. Philippines, H. C. FULTON.

C. pachychilus (Tapparone-Canefri).

Tritonium pachycheilos Tapparone-Canefri. Boll. Soc. Mal. Ital., vol. 2, p. 243, 1876.

C. pyrulum (Adams & Reeve).

Triton pyrulum Adams & Reeve. Zool. Voy. "Samarang", p. 37, pl. 10, fig. 17, 1848.

C. retusum (Lamarck).

Triton retusum Lamarck. Anim. s. Vert., vol. 7, p. 184, No 16, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 635, No 16, 1843.

a. 2. ?, „Old Collection” & HOOGEVEEN's collection. — b. 1. ?, ?

C. sarcostomum (Reeve).

Triton sarcostoma Reeve. Proc. Zool. Soc. London, p. 113, 1844. — Conch. Icon., Triton, sp. 21, pl. 7, fig. 21, 1844.

C. sinense (Reeve).

Triton Sinensis Reeve. Proc. Zool. Soc. London, p. 113, 1844. — Conch. Icon., Triton, sp. 18, pl. 6, fig. 18 a, b, 1844.

a. 1. Hongkong, E. DEYROLLE.

Sect. *Gutturnium* Mörch.

C. amictum (Reeve).

Triton amictus Reeve. Conch. Icon., Triton, sp. 62, pl. 15, fig. 62, 1844.

C. crispum (Reeve).

Triton crispus Reeve. Proc. Zool. Soc. London, p. 118, 1844. — Conch. Icon., Triton, sp. 68, pl. 17, fig. 68, 1844.

C. exaratum (Reeve).

Monoplex cornutus (?) Perry. Conch., pl. 3, fig. 1, 1811.

Triton exaratus Reeve. Proc. Zool. Soc. London, p. 116, 1844. — Conch. Icon., Triton, sp. 50, pl. 13, fig. 50 a, b, 1844.

a. 1. Kanagawa (Japan), NOORDHOEK HEGT.

- C. gallinago* (Reeve).
Triton gallinago Reeve. Proc. Zool. Soc. London, p. 110, 1844. —
Conch. Icon., Triton, sp. 5, pl. 2, fig. 5, 1844.
- C. kiiense* (Sowerby).
Lotorium (Cymatium) kiiensis Sowerby. Ann. & Mag. Nat. Hist., vol.
16, ser. 8, p. 165, pl. 10, fig. 7, 1915.
- C. kobelti* (von Maltzan).
Tritonium Kobelti von Maltzan. Nachrichtsbl. malakoz. Ges., vol. 16,
p. 66, 1884.
- C. loebbeckeï* (Lischke).
Triton Loebbeckeï Lischke. Malakoz. Bl., vol. 17, p. 23, 1870. —
Japan. Meeres-Conch., vol. 2, p. 36, pl. 4, figs. 13, 14, 1871.
- C. mauritianum* (Tapparone-Canefri).
Tritonium mauritianum Tapparone-Canefri. Boll. Soc. Mal. Ital., vol. 2,
p. 283, 1876.
- C. pfeifferianum* (Reeve).
Triton Pfeifferianus Reeve. Proc. Zool. Soc. London, p. 112, 1844. —
Conch. Icon., Triton, sp. 14, pl. 4, fig. 14, 1844.
a. 1. ?, VOIGT. — b. 1. Noordwachter Isl. (Bay of Batavia), L. DE
PRIESTER. — c. 1. Madura, MANGOLD. — d. 1. Tandjong Priok (Java),
P. BUITENDIJK. — e. 6. Madura, from E. F. JOCHIM's collection. — f. 1.
Amboyna, CH. JELLEMA.
- C. ridleyi* (Smith).
Triton Ridleyi Smith. Journ. Linn. Soc., vol. 20, p. 489, pl. 30, fig. 1,
(1888) 1890.
- C. tenuiliratum* (Lischke).
Triton tenuiliratus Lischke. Malakoz. Bl., vol. 21, p. 20, 1873. —
Jap. Meeres-Conch., vol. 3, p. 30, pl. 2, figs. 18, 19, 1874.
a. 2. Japan, H. C. FULTON.
- var. *nodocostata* (Tate & May).
Lampusia nodocostata Tate & May. Trans. & Proc. R. Soc. of S.
Australia, vol. 24, p. 90, 1900. — Proc. Linn. Soc. N. S. Wales,
vol. 26, p. 355, pl. 23, fig. 2, 1901.
- C. testudinarium* (Adams & Reeve).
Triton testudinarius Adams & Reeve. Zool. Voy. "Samarang", p. 37,
pl. 9, fig. 3 a, b, 1848.

C. trilineatum (Reeve).

Triton trilineatus Reeve. Proc. Zool. Soc. London, p. 114, 1844. —

Conch. Icon., Triton, sp. 31, pl. 10, fig. 31 a, b, 1844.

a. 3. Red Sea, RUYSSENAERS. — b. 1. Aden, H. STRENGERS & L. E. NOBEL. — 838. 1. Djeddah, J. A. KRUYT.

var. *aegrota* (Reeve).

Triton aegrotus Reeve. Proc. Zool. Soc. London, p. 114, 1844. —

Conch. Icon., Triton, sp. 42, pl. 12, fig. 42, 1844.

C. tuberosum (Lamarck).

Murex pyrum Var. C. Dillwyn. Descr. catal. rec. shells, vol. 2, p. 701, 1817.

Triton tuberosum Lamarck. Anim. s. Vert., vol. 7, p. 185, No 18, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 635, No 18, 1843.

Triton pyriformis Conrad. Journ. Philad. Acad., vol. 2, ser. 1, p. 211, 1849.

Triton nodulus Mart. Mörch. Catal. conch. Yoldi, p. 109, 1852.

Distorsio muricina Bolt. Mörch. Catal. conch. Yoldi, p. 109, 1852.

M. ranula Meusch. Mörch. Catal. conch. Yoldi, p. 109, 1852.

Triton productum Gould. Moll. & Shells U. S. Expl. Exp. (Com. Wilkes), p. 240, 1852.

Triton Antillarum d'Orbigny. Moll. de Cuba, vol. 2, p. 161, pl. 23, fig. 20, 1853.

a. 4. Tjilatjap (S. Java), OVERDIJK. — b. 4. Amboyna, HOEDT. — c. 1. North Timor, ZIJNEN WARTEL. — d. 1. Zanzibar, DERX. — e. 1. Nossi Falli (near Madagascar), POLLEN & VAN DAM. — f. 2. Nossi Bé (near Madagascar), POLLEN & VAN DAM. — g. 1. St. Thomas (West Indies), CALKER. — i. 1. ? Amboyna, E. E. W. G. SCHRÖDER. — j. 1. Banjoe-wangi (E. Java), from E. F. JOCHIM's collection. — k. 3. Amboyna, from E. F. JOCHIM's collection. — l. 1. Sabang (Poeloe We), W. F. DE PRIESTER. — m. 2. New Guinea, K. SCHÄDLER. — n. 12. Isle of Banda, ? — o. 2. Skroë (N. Guinea), K. SCHÄDLER. — p. 1. Poeloe We (near Sumatra), P. BUITENDIJK. — q. 2. Madjene (Celebes), F. H. VERSCHOOR VAN NISSE. — r. 2. Boesak (N. Celebes), ? — s. 1. Sinabang (Simeuloe Isl.), E. JACOBSON. — 834. 2. Indian Ocean, ?

var. *albocingulata* (Deshayes).

Triton albocingulatum Deshayes. Catal. moll. Ile de la Réunion, p. 113, No 360, 1863.

a. 1. Indian Ocean, ? — b. 1. Tjilatjap (S. Java), OVERDIJK. — c. 3. Banda Is., ? — d. 1. Boesak (N. Celebes), ? — e. 2. Madura, MANGOLD.

C. turtoni (Smith).

Triton turtoni Smith. Proc. Zool. Soc. London, p. 268, pl. 21, figs. 13, 13a, 1890.

C. vespaceum (Lamarck).

Triton vespaceum Lamarck. Anim. s. Vert., vol. 7, p. 185, No 19, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 636, No 19, 1843.

a. 3. Tjilatjap (S. Java), OVERDIJK. — b. 7. North Timor, WIENECKE & ZIJNEN WARTEL. — c. 3. Moluccas, from HOOGEVEEN's collection. — d. 3. Madura, from E. F. JOCHIM's collection. — e. 2. Wetar Isl. (N. of Timor), K. SCHÄDLER.

var. *elongata* (Reeve).

Triton elongatus Reeve. Proc. Zool. Soc. London, p. 117, 1844. — Conch. Icon., Triton, sp. 59, pl. 15, fig. 59, 1844.

var. *gracilis* (Reeve).

Triton gracilis Reeve. Proc. Zool. Soc. London, p. 117, 1844. — Conch. Icon., Triton, sp. 58, pl. 15, fig. 58 a, b, 1844.

a. 1. Sea of Halmahera, Stat. 164, Siboga expedition.

var. *thersites* (Reeve).

Triton Thersites Reeve. Proc. Zool. Soc. London, p. 115, 1844. — Conch. Icon., Triton, sp. 48, pl. 13, fig. 48 a, b, 1844.

Genus *Distortrix* Link, 1807.

D. anus (Linné).

Murex anus Linné. Syst. nat., ed. 12, p. 1218, 1767.

Cassis vera. Distorsio fasciata Martini. Syst. Conch. Cab., vol. 2, p. 81, pl. 41, figs. 403, 404, 1773.

Distorsio rugosa Schumacher. Essai nouv. syst., p. 249, 1817.

a. 5. Moluccas, REINWARDT. — b. 3. Tjilatjap (S. Java), OVERDIJK. — c. 7. Amboyna, HOEDT. — d. 1. Misool Isl., HOEDT. — e. 1. Ceram, HOEDT. — f. 1. Banka, v. D. BOSSCHE. — g. 1. Gorontalo (N. Celebes), ROSENBERG. — h. 2. Straits of Larantoeke, J. SEMMELINK. — i. 5. Timor, WIENECKE & ZIJNEN WARTEL. — j. 1. Red Sea, RUYSSENAERS. — k. 1. Fak-fak (N. Guinea), PALMER v. D. BROEK. — l. 4. Madura, from E. F. JOCHIM's collection. — m. 1. Manoekwari (North N. Guinea), W. C. v. HEURN. — n. 1. Doreh Baai (N. Guinea), from E. F. JOCHIM's collection. — o. 1. Skroë (N. Guinea), K. SCHÄDLER. — p. 1. Banda Neira Isl., J. SEMMELINK. — q. 1. Laroeng,? — r. 2. Banda Is., from E. F. JOCHIM's collection. — s. 1. Patjitan (S. Java), from E. F. JOCHIM's collection.

- D. cancellina* (De Roissy).
Cassis vera. Distorsio reticulata Martini. Syst. Conch. Cab., vol. 2, p. 85, pl. 41, figs. 405, 406, 1773.
Murex anus, pars altera Schröter. Einl. Conchylienk., vol. 1, p. 501, No 22, 1783.
Murex cancellinus De Roissy. Buffon. Hist. gen. et part. Moll., vol. 6, p. 56, No 12, 1805.
Triton clathratum Lamarck. Encycl. méth., pl. 413, fig. 4 a, b, 1816. — Anim. s. Vert., vol. 7, p. 186, No 22, 1822.
Murex mulus Dillwyn. Descr. catal. rec. shells, vol. 2, p. 704, No 45, 1817.
Triton reticularis L. Mörch. Catal. conch. Yoldi, p. 107, 1852.
 a. 2. Indian Ocean,? — b. 2. Amboyna, HOEDT. — c. 1. Banka, v. D. BOSSCHE. — d. 3. American Sea,? — e. 1. Haiti, RICORD. — f. 4. Madura, from E. F. JOCHIM's collection. — g. 4. Menado (Celebes), from E. F. JOCHIM's collection. — h. 1. Amboyna, from E. F. JOCHIM's collection. — i. 2. Celebes, Miss E. J. KOPERBERG. — j. 3. Patjitan (S. Java), from E. F. JOCHIM's collection. — k. 1. North coast of Atjeh, G. A. J. v. D. SANDE. — l. 1. Hongkong (China), E. DEYROLLE. — m. 2. Boesak (N. Celebes),? — n. 1. Medan (E. Sumatra), J. C. B. HÜNER.
- var. *constricta* (Broderip).
Triton constrictus Broderip. Proc. Zool. Soc. London, p. 5, 1833.
- var. *decipiens* (Reeve).
Triton decipiens Reeve. Proc. Zool. Soc. London, p. 121, 1884. — Conch. Icon., Triton, sp. 102, pl. 20, fig. 102, 1844.
- var. *francesae* (Iredale).
Distorsio francesae Iredale. Rec. Austral. Mus. Sydney, vol. 18, p. 213, pl. 23, fig. 2, 1931.
- var. *ridens* (Reeve).
Triton ridens Reeve. Proc. Zool. Soc. London, p. 115, 1844. — Conch. Icon., Triton, sp. 46, pl. 12, fig. 46, 1844.
 a. 1. Indian Ocean,?
- D. pusilla* Pease.
Distorsio pusilla Pease. Proc. Zool. Soc. London, p. 397, 1860.
- D. smithi* (von Maltzan).
Persona Smithi von Maltzan. Nachrichtsbl. Malakoz. Gesellsch., vol. 16, p. 65, 1884.

Genus **Charonia** Gistel, 1848.

Sect. *Charonia* s. s.

C. gemmifera (Euthyme).

Tritonium gemmiferum Euthyme. Bull. soc. malac. France, p. 277,
pl. 7, fig. 1, 1889.

var. *lepta* Bartsch.

Eugyrina gemmifera Euthyme var. *lepta* Bartsch. Smiths. Inst. U. S.
Nat. Mus., Bull. 91, p. 93, pl. 8, figs. 1, 4, 1915.

C. gyrynooides (Brocchi).

Murex tritonis (non Linné) Von Salis. Reisen in versch. Prov. Königr.
Neap., vol. 1, p. 372, 1793.

Murex gyrynooides Brocchi. Conch. foss. subapennina, vol. 2, p. 401,
pl. 9, fig. 9, 1814.

Murex tritonis (non Linné) Brocchi. Conch. foss. subapennina, vol. 2,
p. 413, 1814.

Murex nereii (pars) Dillwyn. Descr. catal. rec. shells, vol. 2, p. 728, 1817.

Triton nodiferum Lamarck. Anim. s. Vert., vol. 7, p. 179, No 2,
1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 624, No 2, 1843.

Triton Mediterraneum Risso. Hist. nat. Eur. mer., vol. 4, p. 203, 1826.

Triton ventricosum Grateloup. Atlas, pl. 29, fig. 17, 1840.

Triton crassum Grateloup. Atlas, pl. 29, fig. 20, 1840.

Triton colubrinum Grateloup. Atlas, pl. 29, fig. 21, 1840.

Triton ranellaeforme Sismonda. Synopsis, p. 39, 1842.

Triton opis Bolt. Mörch. Catal. conch. Yoldi, p. 108, 1852.

Triton subcolubrinum d'Orbigny. Prodrômus, vol. 3, p. 77, 1852.

Triton nodifer Jeffreys. Brit. conch., vol. 5, p. 218, pl. 83, fig. 3, 1869.

a. 1. Indian Ocean,? — b. 1. Batjan Isl. (Moluccas),? — c. 1.?, ? —
848. 2. Mediterranean, F. CANTRAINE.

subsp. *rubicunda* (Perry).

Septa rubicunda Perry. Conch., pl. 14, fig. 4, 1811.

Murex nereii (pars altera) Dillwyn. Descr. catal. rec. shells, vol. 2,
p. 728, 1817.

Triton australe Lamarck. Anim. s. Vert., vol. 7, p. 179, No 3, 1822.

— Anim. s. Vert., éd. Desh., vol. 9, p. 625, No 3, 1843.

Triton nodicinctus A. Ad. Paetel. Cat. Conch.-Samml., vol. 1, p. 100,
1887.

Charonia capax Finlay. Trans. & Proc. N. Zealand Inst., vol. 57,
p. 397, pl. 20, fig. 67, 1927.

a. 2. Australia,?

var. *euclia* (Hedley).

Charonia nodifera var. *euclia* Hedley. Biol. Res. Fishing Exper. "Endeavour", vol. 2, part 2, p. 65, pl. 8, fig. 1, 1914.

Charonia capax Finlay subsp. *euclioides* Finlay. Trans. & Proc. N. Zealand Inst., vol. 57, p. 398, pl. 20, fig. 68, 1927.

f. *instructa* (Iredale).

Charonia euclia instructa Iredale. Rec. Austral. Mus., Sydney, vol. 17, p. 172, pl. 41, fig. 5, 1929.

var. *glabra* (Locard).

Tritonium variegatum (non Lamarck) Philippi. Enum. Moll. Sic., vol. 1, p. 212, 1836.

Tritonium nodiferum Weinkauff. Conch. Mittelm., vol. 2, p. 75, 1868.

Tritonium glabrum Locard. Cat. gén. Moll. de France, pp. 558 & 154, 1886.

var. *sauliae* (Reeve).

Triton Sauliae Reeve. Proc. Zool. Soc. London, p. 112, 1844. — Conch. Icon., Triton, sp. 17, pl. 5, fig. 17 a, b, 1844.

a. 1. Japan, P. F. VON SIEBOLD. — b. 1.?, G. VAN ROON.

C. pustulata (Euthyme).

Tritonium pustulatum Euthyme. Bull. soc. malac. France, p. 273, pl. 6, figs. 3, 4, 1889.

var. *minor* Euthyme.

Tritonium pustulatum Euthyme var. *minor* Euthyme. Bull. soc. malac. France, p. 276, 1889.

var. *varicosa* Euthyme.

Tritonium pustulatum Euthyme var. *varicosa* Euthyme. Bull. soc. malac. France, p. 276, 1889.

C. tritonis (Linné).

Murex tritonis Linné. Syst. nat., ed. 12, p. 1222, 1767.

Triton variegatum Lamarck. Anim. s. Vert., vol. 7, p. 178, No 1, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 623, No 1, 1843.

a. 3. Indian Ocean,[?] — b. 3. Moluccas,[?] — c. 1. Waigeo Isl. (near N. Guinea), BERNSTEIN. — d. 1. Gorontalo (Celebes), VON ROSENBERG. — e. 1. Nossi-Falli (near Madagascar), POLLEN & v. DAM. — f. 1. Japan, P. F. VON SIEBOLD. — g. 4.?, from HOOGEVEEN's collection. — h. 1. Amboyna,[?] — i. 1. Geelvink Baai or Mapia Isl., P. E. MOOLENBURGH. — j. 1. South coast of Java, from E. F. JOCHIM's collection. — k. 1. Madura, from E. F. JOCHIM's collection. — l. 2. Island Eastward of Madura,

from E. F. JOCHIM's collection. — m. 1. Moluccas, from E. F. JOCHIM's collection. — n. 1. Amboyna, from E. F. JOCHIM's collection. — o. 2. Semaoe Isl. (near Timor), W. VON BÜLOW. — p. 1. Madjene (Celebes), F. H. VERSCHOOR VAN NISSE.

var. *nobilis* (Conrad).

Triton variegatus var. β Reeve. Conch. Icon., Triton, sp. 3 a, pl. 1, fig. 3 a, 1844.

Triton nobile Conrad. Journ. Acad. Nat. Sci. Philad., 2, vol. 1, p. 212, 1849.

Triton variegatum Lam. Enc. Mörch. Catal. conch. Yoldi, p. 108, 1852.

Triton marmoratum Link. Mörch. Catal. conch. Yoldi, p. 108, 1852.

Triton Sequenzae Aradas et Benoit. Atti Acad. Gioenia, ser. 3, vol. 5, p. 90, 1871.

Triton commutatus Dunker mss. Küster in Martini & Chemnitz. Syst. Conch. Cab., vol. 3, part 2, Purpurschnecken, p. 224, 1878.

a. 1. West Indies, Kraepelin & Holm. — b. 1. Curacao, A. J. VAN KOOLWIJK. — c. 1. St. Thomas (West Indies), CALCAR. — d. 5.?, J. E. G. VAN EMDEN. — e. 1. Carolines Is., from SCHMELTZ's collection. — f. 1. Mediterranean, F. CANTRAINE.

Sect. *Negyrina* Iredale.

C. alfredensis (Bartsch).

Nyctilochus alfredensis Bartsch. Smiths. Inst. U. S. Nat. Mus., bull. 91, p. 94, pl. 4, fig. 4, 1915.

C. bassi (Angas).

Triton bassi Angas. Proc. Zool. Soc. London, p. 45, pl. 2, fig. 2, 1869.

Tritonium fraterculus Dunker. Malakoz. Bl., p. 166, 1871.

Sipho(?) mimeticus Tate. Trans. Roy. Soc. S. Austral., part 1, p. 189, pl. 1, fig. 10, 1893.

a. 1. Victoria (Australia), SOWERBY & FULTON.

C. parkinsonia (Perry).

Septa parkinsonia Perry. Conch., pl. 14, fig. 1, 1811.

Triton fusiformis Kiener. Icon. coq. viv., Triton, p. 36, No 28, pl. 5, fig. 2, 1843.

Lotorium parkinsonianum Hedley. Scient. res. trawling exp. "Thetis", memoir 4, part 6, Austr. Mus. Sydney, p. 340, 1903.

a. 1. Australia, E. DEYROLLE.

var. *basilica* Iredale.

Austrotriton (parkinsonius) basilicus Iredale. Proc. Linn. Soc. New S. Wales, vol. 49, p. 253, pl. 35, fig. 4, 1924.

C. pumilio (Hedley).

Lotorium pumilio Hedley. Scient. res. trawling exp. "Thetis", memoir 4, part 6, Austr. Mus. Sydney, p. 339, fig. 68, 1903.

C. subdistorta (Lamarck).

Triton subdistortum Lamarck. Anim. s. Vert., vol. 7, p. 186, No 23, 1822. — Anim. s. Vert., éd. Desh., vol. 9, p. 638, No 23, 1843.

a. 1. Australia, E. DEYROLLE.

Sect. *Colubraria* Schumacher.

C. clathrata (Sowerby).

Triton clathratus (non Lamarck) Sowerby. Proc. Zool. Soc. London, p. 71, 1833.

Epidromus Cumingi Dohrn. Proc. Zool. Soc. London, p. 205, pl. 26, fig. 5, 1871.

a. 1. Mauritius, FRANK. — b. 1. Mauritius, H. C. FULTON.

C. maculosa (Gmelin).

Murex maculosus Gmelin. Syst. nat., p. 3548, No 79, 1790.

a. 5. Indian Ocean, ? — b. 4. Amboyna, HOEDT. — c. 1. ? Madura, MANGOLD. — d. 3. Moluccas, from E. F. JOCHIM's collection. — e. 1. Banda Is., ? — f. 1. Poeloe Pandjang near Simeuloe (Sumatra), E. JACOBSON.

C. nitidula (Sowerby).

Triton nitidulus Sowerby. Proc. Zool. Soc. London, p. 71, 1833.

a. 5. Indian Ocean, ? — b. 6. Amboyna, HOEDT. — c. 3. Madura, from E. F. JOCHIM's collection. — d. 1. Skroë (N. Guinea), K. SCHÄDLER. — e. 1. Banda Is., ? — f. 2. Banda Neira Isl., J. SEMMELINK.

var. *ceylonensis* (Sowerby).

Triton Ceylonensis Sowerby. Proc. Zool. Soc. London, p. 71, 1833.

a. 2. Ceylon, H. C. FULTON.

C. obscura (Reeve).

Triton obscurus Reeve. Proc. Zool. Soc. London, p. 117, 1844. — Conch. Icon., Triton, sp. 63, pl. 16, fig. 63, 1844.

Triton comptus Sowerby. Proc. Zool. Soc. London, p. 598, pl. 72, fig. 2, 1874.

a. 3. Indian Ocean, ? — b. 1. Tjilatjap (S. Java), OVERDIJK. — c. 1. ?, from TOBIAS' collection.

var. *testacea* (Mörch).

Triton (Epidromus) testaceus Mörch. Catal. conch. Yoldi, p. 107, No 2009, 1852. — Malakoz. Bl., vol. 24, p. 25, 1877.

a. 1. Curacao, Epp. — b. 2. Ceylon, H. C. FULTON.

C. strepta (Cossmann).

Triton distortum (non Lamarck) Schubert & Wagner. Martini & Chemnitz. Syst. Conch. Cab., vol. 12, p. 138, pl. 231, figs. 4074, 4075, 1829.

Triton tortuosus (non Borson) Reeve. Proc. Zool. Soc. London, p. 118, 1844. — Conch. Icon., Triton, sp. 74, pl. 17, fig. 74 a, b, 1844.

Tritonium streptum Cossmann. Essais Paléconch. comp., 5th livr., p. 93, foot-note, 1903.

a. 1. ?, from TOBIAS' collection. — b. 1. Doreh Baai (N. Guinea), from E. F. JOCHIM's collection. — c. 2. Indian Ocean, ? — d. 2. ?, from TOBIAS' collection. — e. 1. ?, G. VAN ROON. — f. 1. Manoekwari (North N. Guinea), W. C. v. Heurn.

C. soverbyi (Reeve).

Triton lineatus (non Broderip) Sowerby. Proc. Zool. Soc. London, p. 72, 1833.

Triton Soverbii Reeve. Conch. Icon., Triton, sp. 65, pl. 16, fig. 65 a, b, 1844.

a. 1. Amboyna, HOEDT.

C. tenera (Gray).

Triton tenerus Gray. Zool. of Beechey's Voy., Mollusc. An., p. 111, 1839.
