

Synopsis molluscorum marinorum Indiarum occidentalium.

auctore O. A. L. Mörch.

(Contin.)

Fam. Cerithiacea.

Sub-Fam. 1. Potamidinae Ad.

Operculum orbiculare multispirale.

Cerithidea Sws.

* Labro tenui reflexo.

210. *Cerithidea scalariformis* Say.

„Sh. turrit, gradually tapering to the apex, which is acute, whorls rounded, crossed by numerous elevated, regular lines, which on the body whorl, are terminated near the base by 5 or 6 more or less profound revolving grooves, suture pretty deeply impressed, with generally one of the grooves above it, so as to appear double: colour pale, with several revolving reddish brown lines; aperture rounded: labrum thickened, somewhat recurved; a slight but obvious sinus at base, and another very slight, more obtuse one near the junction with the preceeding whorl, umbilicus none.“ Say.

Lgth. $\frac{9}{10}$ inch, operculum small; Eyes a little above the base of the tentacles (Say.)

Pirena scalariformis Say. Journ. Ac. of N. S. Phil. 1825. p. 128.

Pirena scalariformis Dekay New-York p. 128.

Cerithium scalariforme Sow. Thes. p. 889. Nr. 174. f. 290? *C. missoidium* Shy Thes fig 289.

Hab. in the freshwater lakes in the Florida Keys abundant (Tit. Peale.)

211. *Cerithidea tenuis* Pfr.

T. turrita, tenui, longitudinaliter plicata, unicolore albida, vel violaceo-fusca, fasciata; anfr. 11 convexus,

supra suturam linea impressa notatis, ultimo ad basin concentricè sulcato; columella basi subcanaliculata; peristomate acuto, tenui, patulo, dilatato; apertura suborbiculari, intus alba vel fasciata.

Long. 13^{'''}, diam. 5^{'''}. Pfr.

Potamides tenuis Pfr. Arch. f. N. G. 1839 p. 537.
Nr. 61.

Cerithidea tenuis Reeve & Sow. Icon. 1866 f. 3?

Hab. Cuba (Pfr.) Haiti (Ltn. Maribo.)

An var. præcedentis?

** T. varicigera, labro incrassato.

212. Cerithidea pliculosa Mke.

„T. turrita, fulvo-rufa, medio subfasciata, longitudinaliter plicata, plicis confertis, obliquis, levibus; anfractu ultimo varicoso, basi transversim striato, labio arcuato, antiquato, exterius marginato.

Long. 7 lin.“ Mke.

Cerithium pliculosum Mke. Verz. Malsb. 1829. p.
27. Nr. 594.

Hab. Jamaica (Ovesen) Porto Cabello (Riise.)

var. ? elongata.

Hab. Haiti (Ltn. H. Koch.)

Affinis C. sacratae Gould. Differt a sequente T. graciliore, anfr. convexis costis circ. 35. in anfr. ult. Specimen orig. extat in Mus. Hafn.

213. Cerithidea varicosa Sowb.

„T. turrita, solida, nigro fusca, varicibus sparsim interrupta; anfr. 11 planis, longitudinaliter plicatis, striis transversis decussatis, ultimo basi striis spiralibus notato; labro incrassato, extus fuscesciente, basi subcanaliculato; apertura integra subquadrangulari, intus violacea.

Long. 1^{''}, diam. basi 6^{'''}, Pfr.

Operculum corneum, suborbiculare anguste spiratum

var. β T. nigricante, cingulo pellucido corneo ornata.

Cerithium varicosum Sow. Gen. Nr. 42. f. 5,

Potamides iostoma Pfr. Arch. f. Nat. 1839 p. 537
Nr. 60.

Cerithium iostoma Sow. Thes. f. 180.

Cerithium iostoma Reeve Leon. f. 20.

Cerithium helicoide C. B. Ad. autorum.

Hab. Cuba (Pfr.) Jamaica (Crp.) Beliza (Ovesen).

* 214. Cerithidea Lavalleana d'Orb.

„T. elongato-conica, fusca, longitudinaliter costata
vel ventricosa; costis rectis, antice transversim sulcatis;
apertura circulari; labro reflexo, incrassato. Long. 32
mm.“ d'Orb.

Cerithium Lavalleanum d'Orb. Cuba Nr. 343. t. 33.
f. 16.

Hab. Cuba d'Orb.

an var. præcedentis?

215. Cerithidea Hegewischii Phil.

„T. turrita, pluries varicosa, anfractibus convexis,
costis arcuatis circa 30, lineisque transversis elevatis
circa 8—10 sculptis, subgranosis, spadiceis, fascia me-
diana lutescente ornatis; apertura quadrato-orbiculari,
basi subeffusa, labro expanso valde arenato, varicibusque
albis.

Long. 15^m lat. (excl. varicibus) 5¹/₂.; anfr. circa 15.

Cerithium (Potamides) Hegewischii Phil. Mke. Zeit-
schr. 1848 p. 19.

Cerithium (Potamides) Phil. Abbild. tab. 4. f. 6. p. 15.

Hab. Respublica Mejico; leg. Hegewisch Texas (Smiths.
Instit.)

Sbg. Pirenella Gray.

216. Cerithidea sp. n.?

T. gracili, costis confertissimis subobliquis ad sutu-
ram leviter geniculatis; spiraliter subtilissime striata:
striæ incrementi ad basin expressæ sed non spiraliter
striata.

Long. 14 mm.; diam. 5¹/₁₀ mm.

Cerithium costatum Brown Ill. t. 40. f. 26.?

Cerithidea costata Wood Reeve Ic. t. 15. f. 10.

Hab. Haiti (Ltn. Maribo. spm. 1.)

* 217. *Cerithidea* n. sp.?

„T. tenui, pallide caerulea, laevi, brevi, anfr. rotundatis, undatim longitudinaliter costatis, ad suturam et infra sulcatis; apertura rotunda, fusco tæniata, labro planulatum expanso, antice sinuoso, producto.“

Cerithidea Lafondii Reeve & Sow. Icon. 1866 t. 15 f. 2 (non Mich.)

Hab. Jamaica (Mus. Cung.)

„a smooth shell, with larger whorls than *C. costata*.“

218. *Cerithidea salmacidum* Morelet.

„T. elongata-turrita, acuminata, longitudinaliter plicata, fusco-violacescens vel fuliginea, supra suturas profunde incisas rarius obscure fasciata; anfr. 13 convexi, interdum obtuse angulati, ultimo basi filocarinato. Apertura irregulariter ovalis; peristoma subincrassatum, marginibus callo junctis; columellari angulato, vix canaliculato, basali productiusculo.“

Long. 17, diam. 5 mm.“

Cerithium salmacidum Morelet 1849 Test. nov. p. 27 Nr. 70.

Hab. in paludibus maritimis circa Sical. (Morelet) Yucatan (coll. C. M. Poulsen.)

219. *Cerithidea costata* Da Costa.

„T. parva, turrita, pellucida, ferruginea, longitudinaliter oblique costata; inter costas striata; anfractibus duodecim convexis, prope suturas inferne sulcibinis ornatis; ultimo tantum basi obsolete striato; apice acuto; apertura subtriangulari; labro acuto, extus subvaricoso; canali brevissimo, vix distincto.“

Alt. 4 lin.; diam. $1\frac{1}{2}$ lin.“ (Michaud.)

Strombiformis costatus Da Costa Brit. Conch. p. 118. t. 8. f. 14.

Strombus costatus Pult. Dorset. Cat. p. 42.

Strombus costatus Don. Brit. Stella 111. Tab. 94.

Strombus costatus Montg. Brit. Test. p. 255.

Strombus costatus Word. Index. t. 45. f. 43.

Cerithium Lafondii Mich. act. Bord. 3. 1829. p. 264. t. 5. f. 7—8.

Cerithium Lafondii Kien. Spec. gen. p. 97. t. 24. f. 3.

Cerithium costatum Sow. Thes. p. 889. Nr. 176. f. 291—292.

Cerithium Petitii „Kien.“ Schramm Guadel. 1869. p. 11. Nr. 341.

Cerithium Petitii Krebs Cat. p. 50.

Cerithium ambiguum C. B. Ad., Forb. & Hanl. p. *Hab.* St. Thomas (Riise) St. Martin, St. Barthelemi (Riise) Guadeloupe (Schramm.)

var. & T. solida costis subnodosis.

Cerithidea ambigua „C. B. Ad.“ Sow. Reeve Icon. 1866. f. 9.

Cerithium pliculosum var. β Mke. Cat. Malsb. p. 27. *Hab.* Jamaica (Reeve) Guadeloupe (Schramm).*)

220. *Cerithidea ambigua* C. B. Adams.

„C. Lafondii affine; testa costis pluribus 20 ad 25. minoribus instructa; praecepue elatiore minusque robusta.
Ad.

Long. spirae 0,65 poll. long. tot. 0,8 poll. lat. 0,2 poll.

C. Lafondii spira 0,57 poll. long. tot. 0,8 poll. lat. 0,2 poll.

Cerithium ambiguum C. B. Ad. Proc. Bost. Soc. 1845 p. 4.

*) The species from Guadeloupe are sent to me from the late Bernardi of Paris,

? *Turbo carinatus* Mühlf. Berl. Schrift. 1829. p. 209. t. 1. f. 5.

? *Strombus turboformis* Mtg. l. c. p. 110. t. 30. f. 7.?

? *Cerithium ambiguum* F. & H. 1. p. 200.

? *Cerithium minutum* Brown Ill. t. 48. f. 27.

Hab. Jamaica (Ad.) Haiti (Koch.)

221. *Cerithidea minor* Mörch.

T. abbreviata, crassa, badia, fascia mediana et basi alba, spiraliter subtilissime striata; anfr. angulati; sutura ad aperturam adscendens, lira marginata; costæ argutæ leviter arcuatæ 15 (interdum 22) in anfr. ult. lira infra-mediana terminata; labro subexpanso intus marginato extus subvaricoso.

Long $1\frac{1}{4}$ mm; lat. $2\frac{1}{2}$ mm.

Potamides minutus Dkr. in Coll. Riise. (non Gabb.)

Hab. Cuba (Riise.)

C. iostoma Pfr. quoad formam, sed testa minuta.

* 222. *Cerithidea turrita* Stearns.

„Sh. small, elongately conic, rather delicate, purplish white to dark purple, with a whitish revolving band on the middle of the whorls, inconspicuous except in the aperture; spire gradually tapering; whorls twelve, moderately convex, with 16—20 prominent, smooth, equidistant, whitish longitudinal ribs, which terminate abruptly a little below the periphery of the last whorl, with a single narrow, revolving keel below; suture deeply grooved; anterior portion of body whorl smooth or marked only by incremental lines; aperture rounded above, subquadrate below; outer lip effuse; externally thickened; labium anteriorly prolonged, angulated; in some specimens the peristome is continuous.“ (Stearns.)

Long. 0.₅₁, lat. 0.₁₆ poll. spm. maj.

Long. 0.₃₃, lat. 0.₁₁ poll. spm. min.

Cerithidea turrita Stearns Proc. Bost. Soc. XV. 1872. p. 24.

Cerithidea turrita Stearns Conch. memorand. XI. p. 4.
 Hab. Point Penalles Tampa Bay. Florida beneath a confervoid growth in a shallow lagoon, 100 spm. (Stearns.)

C. ambigua C. B. Ad. resembles somewhat.

223. *Cerithidea pupoidea* Mörch.

T. crassa, abbreviata, pupiformis, alba apice cereo; costis 16 rectiusculis in anfr. ult.; anfr. perconvexis, sutura profunda, lirae spirales obsoletissimæ; labro valido postice producto; lira basali obsoleta.

Long. $5\frac{1}{2}$ mm., lat. $2\frac{1}{2}$ mm.

Hab. J. Antill., spm. 1 (Riise).

Pyrazus Mtf.

Subg. *Lampanella* Mörch.

224. *Pyrazus* (*Lampanella*) *minimus* Gm.

T. striis transversis undulatis lineis longitudinales decussantibus, apertura orbiculata. (Gm.)

Buccinum recurvirostrum, claviculatum, striatum et asperum p. p. List. Hist. t. 1018. f. 81. Jamaica. Barb.

Murex minimus Gm. S. N. p. 3564. Nr. 152. (1790-91.)

Cerithium septemstriatum Say. Sow. Thes. p. 884 Nr. 158 f. 959. 60.

Trochus striatellus Dill. 2 p. 813. Nr. 127?

Lampania septemstriata Say Sow. Reeve Icon. fg. 6^c

Hab. On rocks in the surface of the water close to the shore and on the beach where there is some gravel, only where the sea is calm (Krebs p. 49.)

var. *a*.

Nassa septemstriata Say (ex Menke.)

Cerithium clathratum Mke. Syn. 1826. p. 32.

Cerithium septemstriatum Say. 1832 Am. Conch. pl. 49. f. 2.

Hab. Florida (Elliot, Say.)

monstr. *C. heteroclites* „Lam.“ Pot. & Mich. Gal. de Douai p. 365. t. 31. f. 21. 22.

Hab. St. Thomas non rara. (Riise.)

225. *Pyrazus* (*Lampanella*) *nigrescens* Mke.

T. conico-turrita, acuta, striis transversis acutis, plicas longitudinales decussantibus, nigra, superius cinereo-fusca; canali brevissimo, truncato. (Mke.)

Long. 5 lin.; lat. 2 lin.

Cerithium nigrescens Mke. Syn. 1826. p. 85. ad 2. p. 143.

Lampania septemstriata Sow. Reeve. 7^c t. XV. f. 6^b.

Cerithium peloritanum Kien. (non Cant.) Phil. En. 1. p. 161.

Hab. Havanna (Mke.) St. Thomas (Riise) Cuba (Krebs) Curaçao (Krebs).

Differt a præcedente t. brevior et crassior.

226. *Pyrazus* (*Lampanella*) *zonalis* Brug.

T. turrita longitudinaliter plicata, albo atroque fasciata; anfr. striis tribus aut quatuor transversis.

Long. 8 lin., bas. 3 lin. (Brug.)

Cerithium zonale Brug. Enc. 1792. p. 497. Nr. 39.

Cerithium zonale Desh. Lam. ed. 2. IX. p. 292. Nr. 25.

Lampania septemstriata Sow. Reeve. Icon. t. XV. f. 6^a.

Lampania septemstriata Sow. Thes. fig. 260^a.

Hab. Jamaica (Riise).

an var. sequentis?

227. *Pyrazus* (*Lampanella*) *ericensis* Val.

T. conico-turrito, acuta, longitudinaliter plicata, transversim striata, nigrescente; anfr. triseriatim granulosus; labro dextro inferne dilatato; canali brevissimo. (Kien.)

Long. 6 lin. (Ks.)

Cerithium ericense Val. Kien. spec. gen. t. 24 f. 1. p. 59.

Hab. Les côtes occidentales de la Trinidad, et le lac Erie (Kien.) St. Thomas (Riise) Guadeloupe (Schramm).

Differt a *C. nigriscente* t. solidiore, ventricosiore.

var. minor. Long. 9 mm.

Hab. Lanisota Bay, Mullet Key (Florida), Guadeloupe (Schramm).

Bittium Leach.

228. *Bittium lima* Brug.

„*T. subulata*, anfractuum striis 4 punctato-granosis, labro intergerrimo. Long. 6 lin. lat. $1\frac{1}{2}$ lin.

Quelques varices longitudinales. Ouverture très peu retrecie a son extremité inf., canal presque sans profondeur, brun. (Brug.)

Cerithium lima Brug. Enc. 1792. p. 495. Nr. 33.

Cerithium lima Lam. VIII. p. 77. Nr. 35. p. p.

Cerithium scabrum Oliv. Desh. IX. p. 304. Nr. 35.

p. p.

Cerithium lima d'Orb. Cuba. Nr. 340.

Hab. Guadeloupe (Brug.) Cuba (Riise, d'Orb.) St. Croix (Örsted) Martinique (d'Orb.)

Differt a *B. scabro* Oliv. t. solidiore, majore, plerumque 3 lirata, quadratim regulariter reticulata, sutura constricta.

229. *Bittium galactis* Mörch.

Differt a *C. lacteo* Phil. t. majore, solidiore, costis fortioribus, interstitiis lirarum et costarum quadratis scrobiculatis profundis.

Long. $8\frac{1}{10}$ mm.; lat. $1\frac{1}{8}$ mm.

Cerithium rugulosum Sow. Thes. f. 237? jun.?

Hab. St. Thomas (Riise) spm. unic. adultum.

230. *Bittium guaranianum* d'Orb.

Cerithium guaranianum d'Orb. Am. mer. p. 442 t. 77. f. 11—12.

Hab. Rio Janeiro (d'Orb.)

231. *Bittium varium* Pfr.

T. turrita, tenui, diaphana, griseo-fusca, unicolore vel nigro-cingulata; anfr. 8 convexis, plicis longitudinalibus et striis transversis subdecussatis, ultimo varicoso-gibboso; basi concentrice striata; columella nigra; canali brevissimo, vix recurvo; labro tenui.

Long. $2\frac{1}{2}$, diam. $\frac{4}{5}$ lin. (Pfr.)

Cerithium varium Pfr. Arch. f. N. g. 1840. p. 256 Nr. 139.

Strombus reticulatus Mühlf. Verh. Berlin. N. F. 1829. p. 207. t. 2. (8) f. 1. (non Da Costa.)

Cerithium gibberulum C. B. Ad. Proc. Bost. 1845. p. 5.

Cerithium gibberulum Sow. Thes. p. 876. Nr. 118. f. 210—211.

Cerithium gibberulum Sow. Reeve Icon. f. 123.

Bittium gibberulum Dkr. Mal. Gesellsch. 1875. p. 244.

Hab. Cuba (Pfr. d'Orb.) Guadeloupe, St. Domingo, Jamaica (d'Orb.) St. Thomas (Riise.) Desterro (Dkr.)

In myriads on mud in 8—15 fath. water St. Thomas (Krebs p. 48.)

232. *Bittium pallidum* Pfr.

„*T. subulato-turrita solidula*, albida vel pallide cornea; anfr. 9 convexiusculis, longitudinaliter plicatis, transverse minutius striatis, ultimo varicoso; canali brevissimo subrecto; labro simplice, tenui, fragili. Long. 3, diam. 1 lin.“ Pfr.

Cerithium pallidum Pfr. Arch. f. N. G. 1840. p. 287. Nr. 140.

Cerithium columellare d'Orb. Cuba p. 155. t. 23. f. 13—15.

Hab. Cuba (Pfr., d'Orb.) St. Thomas (Riise.)

Differt a præcedente t. solidiore et majore.

233. *Bittium nigrum* Totten.

„Sh. small, ashy or slate coloured, covered with a

fine net-work of elevated lines; aperture rounded; canal nearly an oblique fissure." Gould.

Pasithea nigra Totten Sill. Journ. vol. 26. p. 369. t. 1. f. 7.

Cerithium reticulatum Totten ib. vol. 28. p. 352. f. 8.

Cerithium reticulatum C. B. Ad. Bost. Journ. 2. p. 273.

Cerithium Sayi Menke Gould Inv. Mass. p. 278. f. 183.

Cerithium Sayi De Kay New York p. 128. f. 167.

Cerithium Sayi Stimps. Shells of N. Engl. p. 37.

Bittium nigrum Gould ed. 2. p. 321. f. 590.

Cerithium Sayi Mke. Sow. Thes. p. 868. Nr. 82. f. 149—151?

Cerithium Sayi Sow. Reeve Icon. 1865. f. 110.

Hab. Nantucket, Marthas Vineyard, New Bedford etc. (Gould.)

„The youngs are always reddish black, with a very different aperture. The second years growth is usually distinctly indicated by its much lighter colour. (Gould.)

234. *Bittium iota* C. B. Adams.

„T. minima, atro-rubra; sutura profunda; anfr. 10 plicis decurrentibus tribus, (anfr. ultimi 4,) et plicis longitudinalibus minoribus, intersectionibus nodiferis instructis; canali brevissimo. (Ad.)

Spiræ long. 0,095 poll.; long. tot. 0,12 poll. lat. 0,03 poll.

Cerithium jota C. B. Ad. Bost. Proc. 1845. p. 5.

Cerithium Sayi Menke Sow. Thes. Nr. 82. p. p.

Cerithium Sayi Sow. Reeve Icon. f. 124.

Hab. Jamaica (C. B. Ad.)

Differt a præcedente t. multo minore.

Sbg. Platygyra Mörch Mal. Bl. 1860. p. 81.

235. *Bittium (Platygyra) Emmersoni* C. B. Ad.

„Sh. long conical, chestnut coloured; whorls 17, flat, each encircled with three series of granules; canal less than the length of the aperture.“

Cerithium Emmersoni Ad. Bost. Journ. of N. H. 11. p. 284. t. 4. f. 10.

Cerithium Emersonii Gould Inv. Mass. p. 275. f. 180.

Cerithium Gould ed. 2. p. 287. f. 649.

Cerithium Stimps. Shells of N. Engl. p. 5 (animal.)

Cerithium punctatum L. p. p. Sow. Thes. p. 139.

Hab. Nantucket Sound et New Bedford Harbour (Ad.), South Carolina, Buzzards Bay (Smith & T. Prime.)

237. *Bittium (Platygyra) subulatum* Mtg.

„Sh. white, about 15 spires, defined by a purplish brown spiral line: each wrought with two rows of beads divided by a depressed line in which are observed minute elevated striae, in contrary direction; canal short and turning to the left; in this part it resembles *Murex tuberculatus*, but the canal is more turned; the base is smooth destitute of tubercles, and of a dusky brown colour. Long. $\frac{3}{8}$ inch.“ (Mtg.)

Murex subulatus Mtg. Test. Brit. Supp. p. 115. t. 30 f. 6.

Murex subulatus Wood Index f. 168.

Cerithium elegans Blv. Faune Franc. t. 6 A. f. 9? *)

Cerithium elegans Forb. & Hanl. 3. p. 201.

Cerithium punctatum L. Beau Cat. Guadeloupe. p. 11.

Hab. St. Thomas (Riise) Guadeloupe. (Schramm? Beau.) var. major.

Cerithium punctatum „L.“ Phil. Mke. Zeitschr. 1848. p. 23. Nr. 92.

*) *Cerithium lacteum* Phil., valde diversum.

Cerithium punctatum Phil. Abbild. p. 19. t. 1. f. 16.
Hab. St. Thomas (Riise) Guadeloupe (Schramm.)

238. *Bittium* (*Platygyra*) *terebrale* C. B. Ad.

„Sh. conic turritid; whorls ten, flattened, having three sharp, elevated, revolving ridges on each, with numerous fine longitudinal lines between the ridges; canal very short.“ Gould.

C. terebrale C. B. Ad. Bost. Proc. 1846. p. 134.
(non Lam.)

C. terebrale C. B. Ad. Bost. Journ. III. pl. 3. f. 7.

C. terebrale C. B. Ad. Gould Inv. Mass. p. 276.
f. 181.

Cerithiopsis terebrale Stimps. Shells of N. Engl.
p. 5.

Cerithiopsis terebrale Gould ed. 2. p. 389. f. 650.

Cerithium terebellum C. B. Ad. Cat. 1847. p. 19.

p. p.

Cerithium terebellum Smith & Templ. Prime Cat. p.
Hab. Hartington Greenport 2—10 fath. (Stimps.) New
Bedford (Gould) Long Island (Smith, T. Prime.)

239. *Bittium* (*Platygyra*) *terebellum* C. B. Ad.

„T. elongata, pyramidalis, fulva; anfr. spiraliter tri-
costatis, interstitiis latis crenulatis, ultimo truncato; aper-
tura subtrigona.“ Sow.

Cerithium terebellum Ad. Cat. 1847. p. 19.

Cerithium trilineatum Phil. p. p. Sicil. 2. p. 163.

Cerithium terebellum Ad. Sow. Thes. p. 880. Nr.
140. f. 241.

Cerithium terebellum Ad. Carp. Rep. 1857. p. 289.

Cerithiopsis terebellum Stimps. List.

Cerithium interruptum Mke. Krebs Cat. p. 48.

Hab. Jamaica (C. B. Ad.) St. Thomas (Riise, Hornb.)
Saba (Swift) St. Martin, Porto Plata (Krebs.)

Sect. *a* plica columellari indistincta.

240. *Bittium* (*Platygyra*) *flavum* C. B. Ad.

„Sh. conic turritid: bright yellowish brown: with

three prominent spiral carinae, and about 26 (anteriores 2 majores) less prominent transverse slender ridges, the intersections being feebly nodulous; anteriorly with an additional slightly nodulous spiral ridge: apex acute: spire with the outlines nearly rectilinear: whorls about 9, a little convex, a distinct suture; last whorl terminating very abruptly, concave anteriorly: aperture suborbicular; canal extremely short very wide."

„Length of spire 0,12 inch; tot. length 0,15 inch; br. 0,045 inch."

Cerithium flavum Ad. Contr. p. 122. (1850).

Hab. Jamaica (Ad.) St. Thomas (Riise.)

241. *Bittium* (*Platygyra*) *gracile* Sow.

„*T. alba vel fusca, tenui, parva, attenuata; anfractibus numerosis, obliquis, costis spiralibus et lineis elevatis longitudinalibus reticulatis.*"

The whorls are oblique numerous and ventricose.

Cerithium gracile Sow. Thes. p. 287. f. 223. 224.

Nr. 137.

Hab. St. Thomas (Riise), Loc. ign. (Mus. Metcalf.)

* 242. *Bittium* (*Platygyra*?) *rugulosum* C. B. Ad.

„Sh. conoid, turritid: white: with one slightly elevated and three much elevated spiral lines, and on each whorl about 16 to 18 transverse ridges, the intersections being well developed into nodules, anteriorly with a fourth spiral nodulous slender ridge: apex acute: spire with the outlines nearly rectilinear: whorls about ten, quite convex, with a well impressed suture; last whorl terminating rather abruptly, somewhat concave anteriorly; aperture suborbicular: canal reduced almost to a broad deep notch."

Lgth. of spire 0,12 inch; tot. length 0,16 inch; br. 0,055 inch."

Cerithium rugulosum Ad. Contr. p. 121.

Cerithium rugulosum Ad. Sow. Thes. Nr. 135. f. 237?

Hab. Jamaica (Ad.)

* 243. *Bittium* (*Platygyra*) *vicinum* Ad.

„Sh. similar to *rugulosum*, but in place of the spiral lines are spiral ridges, and in place of the transverse ridges are slender transverse elevated lines, the proportion of size being reversed; whorls about 8 or 9; the canal is a little more developed.“

„Lgth. spir. 0₀₉ inch; tot. length 0₁₂ inch; breadth 0₀₄ inch.“

Cerithium vicinum Ad. contr. p. 122.

? *Cerithium rugulosum* Ad. Sow. Thes. Nr. 135 p. p.

Hab. Jamaica (Ad.)

244. *Bittium* (*Platygyra*) *alabastrulum* Mörch.

T. abbreviato-subulata, candida, tenuis, anfr. liris 3 subæqualibus, mediana fortiore; liræ incrementi filiformes distantes, intersectionibus nodosis, interstitiis quadratis; basi lirula adjecta inframediana subnodosa; apertura labro subpentagono; lateribus spiræ convexiusculis; apice eburneo.

Long. 4½ mm.; lat. 1⅔ mm.

Hab. St. Thomas (Rüse) spm. 1.

C. clathratum Sow. Thes. f. 253 quoad formam, præsertim aperturæ. Differt a *Bittio flavo* t. majore, et basi latissima.

245. *Bittium* (*Platygyra*) *albovittatum*

C. B. Ad.

„Sh. conoid, turrit: light yellowish brown, with a spiral white band occupying the two lower spiral ridges: with 3 spiral ridges, of which the middle one is most prominent, and on each whorl about 16 very small transverse ridges, the intersections forming well developed nodules; anteriorly with another slightly nodulous spiral ridge: apex acute: spire with the outlines moderately curvilinear: whorls 9, a little convex, with an indistinct suture, last whorl terminating abruptly,

concave anteriorly: aperture suborbicular: canal extremely short, wide, and straight.

Lgth. of sp. 0,₀₉ inch; tot. lgth. 0,₁₁ inch; breadth 0,₀₃₅ inch.

Cerithium albovittatum C. B. Ad. Contr. p. 122.

Cerithium septemstriatum Say. Sow. Thes. Nr. 158. p. p.

Hab. Jamaica (Ad.) St. Thomas (Riise.)

246. *Bittium* (*Platygyra*) *bicolor* C. B. Ad.

„*T. parva*, *solidiuscula*, *albida*, *fascia rubro-fusca* *cincta*; *anfr.* 15 (?), *planulatis*, *lineis 5 elevatis decurrentibus*, *supra* (2 *exceptis*) *obsoletis*, *et lineis elevatis longitudinalibus pluribus*, *intersectionibus nodiferis instructis*; *anfr. ultimo plica fusca cincto*: *columella uniplicata*, *plica decurrente*; *canali brevi*.”

„*Ap. long.* 0,₀₈ poll.; *long. tot.* 0,₀₈ poll? *lat.* 0,₁₃ poll.

Cerithium bicolor C. B. Ad. Bost. Proc. 1845. p. 5.

Hab. Jamaica (Ad.)

An sit melius inserenda post *Bittium subulatum* Mtg. propter plicam columellarem decurrentem.

247. *Bittium* (*Platygyra*) *cinereo-flavum* Mörch.

T. subulata, *cinereo-flava*, *solidula*; *anfr. plani*, *liris 2 fere æqualibus et lirula filiforme postice ad suturam*; *lira mediana prominentior*; *in anfr. ult. lira inframe-diana*; *liræ incrementi filiformes regulariter distantes intersectionibus incrassatis vix nodiferis*: *basi concava*, *canali spirali cancellato*; *spira lateribus rectis*, *apice lævi flavo*.

Long. 4 $\frac{1}{8}$ mm.; *lat.* 1 $\frac{1}{8}$ mm.

var. *α* *crocea* Long. 4 mm. (Coll. Krebs.)

Hab. St. Thomas spm. unic. (Riise.)

248. *Bittium* (*Platygyra*?) *gemmulosum*

C. B. Ad.

„*Sh. conoid*, *turrited*: *reddish black*, *sometimes*

wax coloured on the lower part of the whorls: with three spiral ridges, of which the middle one is more elevated; and on each whorl about 33 small transverse ridges; with the intersections nodulous; with a fourth ridge which is slightly nodulous at the periphery of the last whorl, anterior to which are only incremental striae; apex acute: spire with the outlines moderately curvilinear; whorls 12, moderately convex, with a well impressed suture; last whorl abruptly terminating, concave anteriorly; aperture broadly ovate: labrum very thin, well advanced along the middle: canal very short, nearly straight, with a broad deep notch behind." Ad.

„Long. spiræ 0,17 poll.; tot. 0,21 poll. lat. 0,08 poll." Ad.

Cerithium gemmulosum Ad. Contr. p. 120.

Cerithium gemmulosum Sowb. Thes. p. 879. Nr. 136. f. 238?

Cerithiopsis gemmulusa Ad. Dkr. Mal. Gesellsch. 1875. p. 244.

Hab. Jamaica (Ad.) Desterro (Dkr.) N. America (Sow.)

„Affinis *C. neglecto*" Sowb.

249. *Bittium* (*Platygyra*?) *latum* Ad.

„Sh. conic above, cylindric below: whitish, with a spiral brown band occupying the suture and the upper spiral ridge, on which however the granules are white: with three spiral ridges, of which the lower one is a little larger, and very small transverse ridges, which are developed on the spiral ridges into very large nodules; anteriorly with an additional nodulous ridge: apex acute: spire with the outlines quite curvilinear in the upper three fifths: whorls 7, of which two are nuclear and smooth, slightly convex, with an indistinct suture; last whorl nearly as large as the penult whorl, terminating rather abruptly: aperture broadly ovate; labrum well excurved, moderately thickened: canal very short and wide, nearly straight." (Ad.)

„Long. spiræ 0,07 poll.; long. tot. 0,09 poll.; lat. 0,038 poll.“

Cerithium latum Ad. Contr. p. 122.

Hab. Jamaica (Ad.) Guadeloupe (Schramm.)

250. *Bittium* (*Platygyra*?) *exile* Ad.

„Sh. conic, turrited, very slender: brownish red, paler at the apex, whitish on the nodules: with one slightly elevated and three well elevated spiral lines, and on each whorl about twelve rather obtuse ridges, the intersections being moderately developed into nodules; with another spiral well elevated line at the periphery of the last whorl: apex very acute: spire with the outlines rectilinear: whorls twelve to fourteen, quite convex, with a well impressed suture; last whorl terminating abruptly, concave anteriorly: aperture suborbicular: canal extremely short, reduced behind to a broad deep notch.“

Long. spiræ 0,085 poll.; long. tot. 0,1 poll.; lat. 0,04 poll.

Cerithium exile Ad. Contr. p. 120.

Hab. Jamaica (Ad.) Guadeloupe (Schramm) St. Thomas? (Riise.)

Cerithiopsis Forb. & Hanl.

251. *Cerithiopsis*? *fusiformis* C. B. Ad.

„Sh. ovate fusiform, reddish black, whitish at the apex, darkest on the ridges, paler between them and anteriorly: with, on most of the whorls, three spiral ridges, of which the upper two are nearer together and in the upper half of the shell are confluent, and of which the one is larger: with numerous scarcely perceptible transverse ridges, which on the spiral ridges are excessively developed into closely set nodules; anteriorly with another subnodulous spiral ridge, and with transverse striae: apex acute: spire with the outlines curvilinear: whorls eight or nine, slightly convex, with an indistinct suture; last whorl much smaller than the

penult whorl: aperture suborbicular: labrum well ex-curved and advanced, slightly thickened: labium with a small callus above: canal very short, straight, wide." Ad.

Long. spiræ 0,075 poll.; tot. length 1 poll.; breadth 0,04 poll.

Cerithium fusiforme C. B. Ad. Contr. p. 121.

Cerithiopsis neglectus Ad. Weink. 2. p. 165 et 170.
var. *α* liris superioribus discretis.

Cerithium neglectum Ad. Sow. Thes. p. 879. Nr. 134. f. 235. 236?

Hab. Jamaica (Ad.) St. Thomas (Riise) Guadeloupe (Schramm.)

252. *Cerithiopsis? Greenii* C. B. Ad.

„Sh. small, reddish black, tumido-conic, elongated with longitudinale ridges and revolving lines; canal very deep and very short, slightly curved.“

Cerithium Greenii C. B. Ad. Bost. Journ. N. H. II. p. 287. pl. 4. f. 12.

Cerithium Greenii Gould Invert. p. 279. f. 184.

Bittium Greenii Stimps. Check List. 5.

Bittium Greenii Gould ed. 2. p. 322. f. 591.

Hab. Boston harbour, southwards (Stimps.) Dartmouth harbour (Ad.)

253. *Cerithiopsis pulchellum* C. B. Ad.

Sh. turrited, conic above, subcylindric in the lower three-fifths: snow white, with a spiral band of bright brown, which commences several whorls below the apex, and is placed on the inferior spiral ridge: with two spiral ridges, of which the upper one is larger, and is double on the lower whorls; with small transverse ridges, which are developed on the spiral ridges into rather large nodules; anteriorly with two other spiral ridges, of which the upper one is subnodulous: apex acute; spire with the outlines slightly concave in the upper half and slightly convex in the lower half, often trun-

cate with the loss of 5 whorls: whorls about 11, a little convex, with a well impressed suture; last whorl a little smaller than the penult whorl, terminating obtusely: aperture suborbicular: labrum well excurved, moderately thickened: canal very short and wide, nearly straight."

Long. sp. 0₁₃₅ poll.; long. tot. 0₁₇ poll.; lat. 0₁₀₄₅ poll.

Cerithium pulchellum Ad. Contr. p. 121.

Cerithium pulchellum Sow. Thes. l. c. Nr. 138. f. 239.

Hab. Jamaica (Ad.) Guadeloupe (Schramm.)

Triphoris Desh.

Sect. 1. Mastonia Hinds; tubo destituta.

254. *Triphoris nigrocinctus* C. B. Ad.

„Sh. small, reddish black, granulated; whorls 12, reversed; aperture small; beak short and recurved."

Gould.

Cerithium nigrocinctum Ad. Bost. Journ. II. p. 286. t. 4. f. 11.

Cerithium nigrocinctum Gould Inv. ed. 1. p. 277. f. 182.

Triphoris nigrocinctum Stimps. Check List. p. 5.

Triphoris nigrocinctum Gould ed. 2. p. 323. f. 592.

Hab. Dartmouth Harbour clinging to seaweed a few feet below water mark. (Ad.)

255. *Triphoris exiguus* C. B. Ad.

„Sh. long ovate conic, sinistrorsal: waxcolor: with, on the middle whorls, two, and on the lower whorls, three spiral ridges, of which the middle one is more slender, and numerous transverse ridges, the intersections being well developed nodules; anteriorly with three additional smaller less strongly nodulous spiral ridges: apex very acute: spire with the outlines most curvilinear along the middle, nearly rectilinear above and below; whorls ten, planulate, with the place of the suture dis-

tinguished by a somewhat larger groove; last whorl much smaller than the penult whorl, gradually tapering to the end: aperture rather small, subrhombic: canal very short, nearly straight." Ad.

Long. 0.₀₉ poll. lat. 0.₀₃₅ poll.

Cerithium exiguum C. B. Ad. Contr. p. 118.

Hab. Jamaica (Ad.)

* 256. *Triphoris nanus* C. B. Ad.

„Sh. conic, turrited, sinistrorsal: wax brown, dark at the apex, sometimes with a white space next below the apex, followed by a white spiral band: with, on the upper whorls, two, and on the lower whorls, three nearly equal spiral ridges, and many transverse slender ridges, the intersections being well developed nodules; anteriorly with two additional smaller less strongly nodulous spiral ridges: apex very acute: spire with the outlines nearly rectilinear: whorls about 9, planulate, with the place of the suture distinguished by a somewhat larger groove; last whorl terminating very abruptly: aperture suborbicular, rather small: canal short, nearly straight." Ad.

„Long. 0.₁₁ poll.; lat. 0.₀₈ poll."

Cerithium nanum Ad. Contrib. p. 117.

Triphoris nana Sow. Thes. p. 897. (nomen.)

Hab. Jamaica (Ad.)

257. *Triphoris modestus* C. B. Ad.

„Sh. conic, turrited, sinistrorsal: reddish black, weathering to a cinereous colour with, on the upper whorls, two, and on the middle and lower whorls three spiral ridges, which are of equal size on the lower $\frac{2}{3}$ of the shell; and numerous transverse ridges, the intersections being well developed nodules; anteriorly with two or three additional spiral ridges, which are less strongly nodulous, and which are separated by a broad groove from a small ridge around the base of the canal:

apex very acute: spire with the outlines quite curvilinear: whorls about 14, planulate, with the place of the suture distinguished by a somewhat larger groove, last whorl abruptly terminating: canal short, slightly turning to the right." Ad.

Long. $0_{,225}$ poll.; lat. $0_{,07}$ poll.

Cerithium modestum Ad. Contr. p. 117.

Cerithium pusillum Pfr. Arch. f. N. g. 1840. p. 256. Nr. 138. (non Gm.)

Hab. Jamaica (Ad.) St. Thomas (Riise.)

258. *Triphoris melanura* C. B. Ad.

„Sh. like *modestum*, but snow white except the dark brown apex, much more slender, with the outlines less curvilinear, and the aperture smaller." Ad.

Long. $0_{,2}$ poll.; lat. $0_{,045}$ poll.

Cerithium melanura C. B. Ad. Contr. p. 117.

Hab. Jamaica (C. B. Ad.) Antill. (Krebs.)

259. *Triphoris intermedius* C. B. Ad.

„Sh. conoid, turrit, sinistrorsal: reddish black or dark brown, with a broad white spiral band on the lower part of the whorls; white near the apex: with on the upper whorls, two, and on the lower whorls, three nodulous spiral ridges, and anteriorly three additional less strongly nodulous spiral ridges: apex acute: spire with the outlines rectilinear above, moderately curvilinear below: whorls about 12, planulate, with the place of the suture distinguished by a rather deeper groove: last whorl terminating rather abruptly: aperture rather small, obliquely obcordate: canal short, nearly closed at the origin; much deflected obliquely backwards. This species is intermediate between *C. ornatum* Desh. and *C. modestum*." Ad.

Long. $0_{,2}$ poll.; lat. $0_{,07}$ poll. (Ad.)

Cerithium turre Thomæ Chemn. d'Orb. Cuba. 2. p. 155. Nr. 341. t. 23. f. 10—12.

Cerithium turris Chenu Man. f. 1913.

Cerithium intermedium Ad. Contr. p. 119.

Hab. Jamaica (Ad.) St. Thomas (Riise) Cuba (Sagra.)

Sect. 2. labro ad suturam inciso.

260. *Triphoris ornatus* Desh.

„*T. sinistrorsa*, elongato-turrita, apice acuta, basi angusta, in medio leviter inflata; anfr. numerosis, planis, biseriatis granulosis; granulis superioribus rufis alternis albidis; apertura rotundata, submarginata; siphone posticali brevior simpliciter. Long. 7—8 mm.“ Desh.

Triphoris ornatus Desh. Enc. meth. 3. p. 1053. (1832.)

Triphoris ornatus Mörch Cat. Yoldi p. 59. Nr. 1135.

Cerithium ornatum Desh. Kien. Spec. gen. p. 37. t. 25. f. 2.

Hab. St. Thomas (Kien., Riise, Krebs) St. Croix (Krebs.)

261. *Triphoris decoratus* C. B. Ad.

„*Sh. conic*, turrit, sinistrorsal: white, dark reddish brown anteriorly, with many large rather square irregular spots of the same: with on the upper whorls, two, and on the middle and lower whorls, three nearly equal spiral ridges, which are nearly concealed by numerous large nodules, that are produced by the excessive development of the intersections of 25 to 28 small transverse ridges on each whorl: anteriorly with two additional smaller or less strongly nodulous spiral ridges: apex very acute; spire with the outlines nearly rectilinear: whorls 16, planulate; with the place of the suture distinguished by a deeper groove; last whorl terminating very abruptly, so as to be concave between the periphery and the canal: aperture ovate-orbicular, modified a little by the penult whorl: canal strongly bent to the right, closed except near the extremity. This shell resembles *C. ornatum* Desh., but that species has only 10 or 12 whorls, its outlines are quite curvilinear, and the last whorl terminates less abruptly.“ Ad.

Long. 0.₂₉ poll., lat. 0.₀₃₅ poll.

Cerithium decoratum Ad. Contr. p. p. 117. April 1850.

Hab. Jamaica (C. B. Ad.) St. Thomas (Riise.)

262. *Triphoris variegatus* A. Ad. Zool. Proc. 1851. p. 277.

„*T. subulato-pyramidali*, in medio tumida, alba, maculis triangularibus rufo-fuscis variegata, anfr. planulatis, triseriatim granulatis, granis æqualibus, interstitiis punctatis, suturis impressis; canali brevi, aperta.“

„a large variegated species, somewhat resembling in general appearance *T. ornatus* Desh.“

Hab. St. Johns (Mus. Cuming.), St. Thomas (Riise, Krebs.)

An var. præcedentis; differt granulis confertissimis.

Sect. 3. tubo suturali fisso.

263. *Triphoris dealbatus* C. B. Ad.

„Sh. like that of *C. decoratum*, but snow white; the outline of the spire are exactly rectilinear; the granules are less developed; and the canal is nearly straight.“
Ad.

Cerithium dealbatum Ad. Contr. p. 117.

Hab. Jamaica (Ad.) Vieques (Riise.)

The sutural tube not mentioned by C. B. Adams, is short, wide, and fissured towards the aperture.

Sect. 4. tubo suturali integro.

264. *Triphoris Turris Thomæ* Chem.

„*T. turrita*, alba, sinistrorsa, lineis rufescentibus nitidissime fasciata, anfr. 11 serie duplici punctorum eminentium nodulosis, apertura subrotunda.“ Chemn.

Turbo Turris Thomæ Chem. Conch. Cab. XI. 1795. p. 310. f. 3022.

Triphoris Turris Thomæ Mörch Cat. Yoldi p. 59. Nr. 1136.

Cerithium mirabile C. B. Ad. Contr. p. 118.

var. *a* fascia badia; non tubifera (rariss.)

var. *β* linea badia; tubifera.

Hab. St. Thomas (Chem. Riise, Krebs.)

Sub-fam. 2. Cerithiinae.

Operculum ovale, paucispirale.

Cerithium Adanson.

265. *Cerithium* (Vertagus?) *stercus muscarum*
Say.

„White with 11 costæ 5 transverse striæ, and 5 series of brown spots.“ Say.

Nassa stercus muscarum Say. (ex Mke. Syn.)

Cerithium notatum Mke. Syn. 1826. p. 33.

Cerithium muscarum Say Am. Conch. Aug. 1832.
p. 146.

Cerithium muscarum Say d'Orb. Cuba Nr. 345. f. 4.

Cerithium stercus muscarum Kien. p. 47. t. 49. f.
1^a (jun.)

Cerithium muscarum Sow. Thes. Nr. 53. f. 108.
vix 109. 110.

Hab. South shore of Florida (Elliot) Cuba (d'Orb.)

var. minor.

Hab. Bahama (Krebs.)

266. *Cerithium litteratum* Born.

T. turrita, lineis spiralibus fusco punctatis; anfractis ultimo liris tribus nodulosis, lira suturali nodis acutis majoribus.

Turbo apertus Gualt. tab. 56. f. N.?

Murex litteratus Born Index p. 327.

Murex litteratus Born Testacea p. 323. t. XI. f.
14—15.

Murex litteratus Schröt. Einl. 1. p. 600. Nr. 175.

Cerithium litteratum Brug. Enc. meth. 1. p. 499.

Cerithium litteratum Lam. Hist. VII. p. 76. Nr.
31. ed. 2. n. 31.

Cerithium litteratum Sow. Thes. Nr. f. 128. 129.
(abbreviata.)

Cerithium angustum Anton Verz. p. 66. Nr. 2293?
Hab. Guadeloupe (Badier) Cuba, Martinique (Caudé) St.
Thomas (Ravn, Hornbeck, Riise.) Young specimens dred-
ged from 9 fath. on blue sandy mud (Krebs, Cat. p. 49.)

* 267. *Cerithium umbonatum* Sow.

T. pyramidali, acuta, clavata, fusco-variegata; an-
fractibus prope suturam angulatis, ad angulum noduli-
feris, ultimo magno; apertura elevata; labio interno
postice uniplicato; labio externo crasso, expanso.“ Sow.

Cerithium umbonatum Sow. Thes. 1855. p. 859.
f. 95.

Hab. Jamaica (Mus. Cuming.)

An. var. præcedentis?

268. *Cerithium semiferrugineum* Lam.

T. abbreviata, læviuscula, nubeculosa; anfr. ult. bi-
seriatum nodoso.

Cerithium semiferrugineum Lam. hist. VII. p. 74.
Nr. 26. ed. 2. IX. p. 300.

Cerithium semiferrugineum Pot. & Michaud Douai.
p. 370. Nr. 63.

Cerithium semiferrugineum Kien. Spec. p. 43. Nr.
31. t. 11. f. 3.

Cerithium tuberculatum Sow. Gen. f. 4?

Cerithium tuberculatum Reeve Conch. Syst. p. 178.
t. 226. f. 1?

Hab. St. Thomas (Hornb., Riise, Krebs.)

Spm. max. long. 41 mm.; lat. 17. mm.

var. *α* minor, lutea.

Hab. St. Thomas (Riise.)

verisimiliter var. *C. litterati*.

269. *Cerithium Antillarum* Dkr. mss.

Differt a *C. famelico* Ad. T. tenuiore, nodis obtusis,
numerosioribus; lira suturali crenulata; lirulis spiralibus

fortioribus; interstitiis lirularum huc illuc ferrugineis unde irregulariter maculata; colore nodorum minus rite circumscripto.

Long. $24\frac{1}{2}$, lat. 11 mm.

Cerithium uncinatum „Gm.“ Sow. Thes. p. 856. Nr. 27. f. 78—79.

Cerithium uncinatum Sow. Reeve Ic. 1865. pl. 3. f. 13.

Cerithium Antillarum Dkr. in Coll. Riise.

Hab. Guadeloupe, Jamaica (Sow.), Cuba (Dkr.)

270. *Cerithium atratum* Born.

Murex atratus Born Index p. 329.

Murex atratus Born Testacea p. 324. t. XI. f. 17—18.

Murex atratus Schröt. Einl. 1. p. 60. Nr. 177.

Murex atratus Gm. S. N. p. 3564. Nr. 156.

Cerithium atratum Brug. Enc. p. 480. Nr. 12. („vix“ Desh.)

Cerithium atratum Lam. VII. p. 76. Nr. 32. ed. 2. IX. p. 303.

Cerithium atratum Kien. Spec. gen. t. 20. f. 3. p. 33. Nr. 23.

Cerithium atratum Wood Index t. 27. f. 151.

Hab. Guadeloupe (Badier) Brasilia (P. W. Lund, Kröyer.)

Desterro (Dkr.), St. Thomas (Hornb., Riise), St. Croix (Oersted). On rocks close to the shore between the mark of high and low water; at other seasons on blue sandy mud 2 fathoms water. (Krebs, Cat. p. 47.)

var. a tenuis.

C. caudatum Sow. Thes. 1855. p. 356. f. 86. 87.

„T. C. atrato (Born e Sicilia) simili, sed magis acuta, apertura magis expansa, cauda elongatissima. More sharply striated.“ Sow.

Hab. Guadeloupe (Sow.), St. Thomas (Riise spm. max. 41 mm.), Jamaica (Smiths. Instit.)

271. *Cerithium floridanum* Mörch.

Differt a *C. atrato* T. solida, albida, interstitiis lirarum castaneis *); anfr. ult. liris 5 prominentioribus; lira suturali majore constrictione discreta; lira secunda minor nodis moniliformibus; lira tertia et quarta subaequales minores; lira quinta bifida, sexta minuta; apertura alba, canali brevissima recta, varice valido ad dextrum.

Long. 38 mm.; lat. 13 mm.

Cerithium caudatum „Sow.“ Coll. Rawsoni.

Hab. Sarosata Bay, Florida. (Rawson.)

272. *Cerithium eburneum* Brug.

„T. turrita immaculata alba, anfractuum striis tribus aut quinque granoso-punctatis, media triplo majore.“

Cerithium eburneum Brug. Enc. meth. 1792. 1. p. 498. Nr. 41.

Cerithium eburneum Lam. hist. VII. p. 76. Nr. 33. Desh. IX. p. 304.

Cerithium eburneum Pot. & Mich. Gal. p. 365. Nr. 48. t. 31. f. 23—24.

Cerithium eburneum Kien. Spec. p. 44. Nr. 32. t. 10. f. 2.

Cerithium eburneum Sow. Thes. p. 857. f. 80—83.

Cerithium eburneum d'Orb. Cuba Nr. 339.

Hab. Guadeloupe (Brug., d'Orb.) Martinique, Cuba d'Orb.), St. Thomas (Riise, Krebs.)

var.? solida; ferrugineo-variegata. Long. 30 mm.; lat. 12 mm.

Cerithium semiferrugineum „Lam.“ Mörch Cat. Yoldi. Nr. 1123.

Hab. St. Thomas, St. Croix (Hornb., Riise, Krebs.)

forma minor long. 15 mm. Vera Cruz (Liebm.) St. Croix. (v. Eggers.)

273. *Cerithium algicola* C. B. Ad.

„T. irregulariter albo et fusco-maculata, caerule-

*) Ut *C. antillarum* Dkr.

cente; varicibus albis vel fuscis, penultimo ab ultimo semianfractum distante, alteris $\frac{2}{3}$ anfr. distantibus; anfr. 10 subangulatis, striis decurrentibus, pluribus exilioribus 5 majoribus granulosis, et plicis longitudinalibus instructis; labio supra uniplicato; canali brevi.“ Ad.

Long. spiræ 0,52 poll.; long. tot. 0,73 poll.; lat. 0,33 poll.

Buccinum Lister t. 979. f. 38.?

Buccinum punctulatum Gm. p. 3503. Nr. 151?

Cerithium algicola Ad. Bost. Proc. 1845. p. 5.

Cerithium litteratum var. parva Kien. Spec. 41. t.

14. f. 1?

Cerithium eburneum Sow. Thes. 1. c. f. 81?

Cerithium eburneum Sow. Reeve Icon. f. 63.

Hab. Jamaica (Ad.) Cuba (Andrea) Bahama (Krebs)
St. Thomas (Oersted.)

var. α vittata; fasciis longitudinalibus castaneis.

Sow. Thes. f. 80. (quoad colorem.)

Hab. St. Thomas (Riise.)

var. β tenuis; gracilis aspera; Long. 17 mm.; lat. 6 mm.

C. Poeyanum Dkr. (coll. Riisei.)

* 274. Cerithium graciliforme Sow.?

T. angusta, elongata, minute seriatim tuberculifera, alba, fulvo-variegata, varicibus magnis irregularibus, anfractibus numerosis, subangulatis, apertura ovali, canali brevi aperto. (Sow.)

Cerithium eburneum Sow. Thes. f. 83?

Cerithium graciliforme Sow. Reeve Icon. 1865. f. 149?

Hab. New Providence (Krebs.)

An var. præcedentis?

* 275. Cerithium pulicarium Phil.

„T. turrita, alba, punctis minimis spadiceis picta; anfr. convexis, costis circ. 20, nonnullis latioribus varici-

formibus, lineisque elevatis transversis quatuor granulatibus; apertura ovata, in canalem brevem obliquum terminata; labio superius callo transverso instructo; labro subreflexo.“ Ph.

Alt. $9\frac{1}{4}$ “; lat. 4“; anfr. circ. 13.

Cerithium pulicarium Phil. Menke Zeitschr. 1848.
p. 20. Nr. 84.

Cerithium pulicarium Phil. Abbild. p. 18. t. 1. f. 14.
Hab. Yucatan (Phil.) loc. ign. (Phil. Abbild.)

Sect. *Cerithii mori* Lam.

* 276. *Cerithium ferrugineum* Say.

„Pale ferrugineous granulated by 20 longitudinal ribs; striæ about 7 on the body whorl with intermediate smaller ones and but three on the second whorl; labrum slightly thickened on the exterior margin, and with obsolete impressed lines on the inner side corresponding with the exterior striæ.“ Say.

Nassa ferruginea Say (ex Menke Syn.)

Cerithium ferrugineum Say. Mke. Synops. 1826.
p. 33.

Cerithium ferrugineum Say Am. Conch. pl. 49. f.
2. Aug. 1832.

Cerithium ferrugineum Sow. Reeve Ic. f. 92.?
Hab. South coast of Florida (Elliot.)

277. *Cerithium versicolor* C. B. Ad.

„Sh. ovate conic, turritid: usually mottled irregularly with reddish black and white, white prevailing on the varices and on the upper whorls, and the black on the lower whorls and especially on the granules; sometimes mostly white; sometimes mostly black: with numerous transverse ridges, which are prominent on the upper whorls; with, on most of the whorls, 3 spiral ridges, the intersections being developed into very prominent subacute nodules; and a fourth smaller spiral ridge in the suture of the last whorl; with intermediate

spiral striæ; anteriorly with 4 additional smaller less strongly nodulous spiral ridges and intermediary striæ: apex very acute: spire with the outlines slightly curvilinear: whorls 10 or 11, a little convex, with a well impressed suture: aperture subovate, rather acuminate at both extremities: labrum rather sharp, very much thickened both externally and internally a little behind the edge, deeply striated within: labium with a small callus on the upper part: canal very short, rather wide, much deflected to the left." Ad.

Long. spiræ 0,42 poll.; long. tot. 0,57 poll.; lat. 0,2 poll.

Cerithium versicolor C. B. Ad. Contr. p. 119. (1850.)*

Cerithium ferrugineum Say Sow. Thes. Nr. 71. f. 177.

Hab. Jamaica (Ad.) St. Croix (Oersted.)

var. *α* major, aspera.

C. ericense Val. Sow. Thes. p. 863. Nr. 58. f. 119.

C. stercus muscarum Say. Kien. Spec. p. 47. t. 49.

f. 2?

Hab. Honduras (Dyson) Curaçao (Swift, Rüse.)

var. *β*. grisea.

C. variabile C. B. Ad. Sow. Reeve Icon. 1865. f.

91. „T. parva, breviuscula, grisea, nigro-tuberculata, anfr. subventricosis, tuberculis nigris ovalibus in seriebus tribus (ultimo 5) cinetis, interstitiis minute tuberculatis anfractu ultimo subovali, apertura breviuscula, canali brevi, aperto.“ Sow. verisim. var. præcedentis.

224 278. *Cerithium variabile* C. B. Ad.

„T. parva, solida, nigra, irregulariter albo-maculata; sutura profunda; anfr. 9 convexis, striatis, striis creberrimis decurrentibus; spiræ anfr. plicis 4 angustis decurrentibus, et plicis longitudinalibus, intersectionibus nodiferis instructis; labro intus incrassato et crenato; labio supra uniplicato; canali brevi.“

*) non Phil. Mke. Zeitschr. 1848. p. 20.

Long. spiræ 0,34 poll.; long. tot. 0,51 poll.; lat. 0,2 poll.

Cerithium variabile Ad. Proc. 1845. p. 5.

Cerithium ferrugineum Sow. Reeve Icon. 1865. f. 92.

Cerithium nigrum Phil. Mke. Zeitschr. 1848. p. 19. Abbild. t. 1. f. 19.?

Hab. Jamaica (Ad.) Bucks Island, St. Thomas (Riise) Guadeloupe (Schramm.)

279. *Cerithium Thomasiæ* Sow.

„T. subventricosa, alba, sparsim rubro-maculata, longitudinaliter plicata, plicis tuberculis rotundis, lævibus quatuor armatis interstitiis spiraliter striatis; anfractu ultimo infra costato, inter costis minute lirato; apertura subovali, labro expanso, intus incrassato, plicato, canali obliquo, brevi, semiclauso.“ Sow.

Cerithium Thomasiæ Sow. Reeve Icon. 1865. f. 108. Hab. St. Thomas (Mus. Cumg. Riise,) Scholten.

* 280. *Cerithium Bermudæ* Sow.

„T. parva, brevi, alba, maculis irregularibus castaneis variegata, tuberculis parvis albis, rotundis seriatim cineta, apertura ovali, subexpansa; canali brevi, aperto.“ Sow.

Cerithium Bermudæ Sow. Reeve Icon. 1865. f. 86. Hab. Bermuda (Mus. Cumg.)

sect.

281. *Cerithium rissoiide* Sow.

„T. parva subventricosa, acuminata, alba; anfr. paucis, spiraliter striatis, longitudinaliter plicatis, ad suturam supra et infra medium triseriatim tuberculiferis, sutura subexcavata, ultimo anfractu infra alternatim lirato; apertura ovali, labro expanso, intus incrassato, valide plicato, columella brevi, canali brevissimo aperto.“ With three rows of tubercles at the suture, and above and below the centre.

Cerithium Rissoide Sow. Reeve Icon. 1865. f. 107. Hab. St. Thomas (Sow. Riise.)

* 282. *Cerithium Sagrae* d'Orb.

„T. brevi, ovato-conica, laevigata, inflata, albida; flammulis rufis longitudinalibus ornata; anfractibus convexiusculis, transversim tricostato-granulatis, striatis, costa prope suturam permagna; apertura ovali; labro incrassato; canali brevi.“ d'Orb.

Long. 9 mm.

Cerithium Sagrae d'Orb. Cuba 1846. p. 156. t. 23. f. 17—19.

Cerithium megasoma Ad. Contr. p. 119? (1850.)

Hab. Cuba (Auber).

var? pallida.

Hab. St. Thomas (Riise) an var. sequentis?

283. *Cerithium lutosum* Menke.

„T. ovato-conica, obtusiuscula, griseo cinereoque varia, rarius ferruginea, longitudinaliter obsolete plicata; transversim sulcata; sulcis granulosis; canali brevi, truncato.“ Mke.

Long. 5 lin.; lat. $2\frac{1}{4}$ lin. Mke.

Cerithium lutosum Mke. Synop. 1826. p. 86. ed. 2. p. 143.

Cerithium luctuosum Mke. Sow. Thes. p. 869. f. 146? p. p.

Cerithium lutosum Mke. Sow. Reeve Icon. f. 113?

Hab. ad Havannam (Mke.)

284. *Cerithium mutabile* C. B. Ad.

„T. parva, subtenui, nigra, rubescente, irregulariter albo-maculata; sutura profunda; anfr. 9, haud multum convexis, plicis decurrentibus pluribus, 3 majoribus, et plicis longitudinalibus inaequalibus intersectionibus nodiferis instructis; canali brevissimo. (Ad.)

Spirae long. 0₂₂ poll.; long. tot. 0₂₂ poll.; lat. 0₁₅ poll.

Cerithium mutabile C. B. Ad. Bost. Proc. 1845. p. 5.

Cerithium mutabile Sow. Reeve Icon. 1865. f. 111.

Hab. Jamaica (Ad.) W. Indies (Mus. Cumg.)

var. a *Cerithium Rawsoni* Krebs mss.

T. tenuissima, liris obsoletissimis vel omnino evanescentibus; anfr. convexi, sutura profunda; unicolor castanea, albo fasciata vel omnino alba. Labro intus lævigatus. *Tritonium Humphreysianum* quoad formam et sculpturam.

Long. 10 mm.; lat. 5 mm.; spm. majora datur.

Cerithium luctuosum Mke. Sow. Thes. f. 147. sed labro intus crenulato.

Cerithium gallopaginis Sow. Thes. f. 155. 156 quoad formam.

Hab. Barbados? Rawson (Krebs.)

sect. 3.

285. *Cerithium aberrans* C. B. Adams.

„Sh. long ovate conic: white: strongly sculptured with 3 or 4 spiral ridges, which are decussated, with nodulous intersections, by transverse ridges, of which there are about 16 on each whorl; anteriorly the transverse ridges are obsolete, and 3 or 4 additional spiral ridges are nodiferous; apex acute: spire with the right side nearly rectilinear and the left quite curvilinear, the axis being curved: whorls 7, nearly planulate, with a subcanaliculate suture; last whorl rather large: aperture rather small, deeply notched anteriorly; labrum rather thick and well excurved. This species connects the genus with those *Cerithia*, in which the canal is reduced to a notch.“ Ad.

Long. spiræ 0_{,1} poll.; long. tot. 0_{,165} poll.; lat. 0_{,08} poll.

Rissoa aberrans Ad. Contr. p. 113.

Hab. Jamaica (Ad.) St. Thomas (Scholten, Riise.)

Vera Cruz? (Liebm.)

Labro sæpe intus 3-dentato.

286. *Cerithium alabastrum* Mörch.

T. solidula, alba, elongato-ovata, liris spiralibus confertis æqualibus, 6 in anfr. spiræ, interstitiis linea intercalante; costis linearibus confertis, undulatis, in anfr.

ult. obliquis leviter sigmoideis in intersectionibus incrassatis, nodis parum prominentibus elongatis, candidis; apertura elliptica, utrinque angustata; labro extus obsolete varicoso, intus laevi; columella obtecta, antice labio libero; canali profundo angusto.

Long. $8\frac{1}{2}$ mm.; lat. 4 mm.

Hab. St. Thomas (Riise spm. unic.)

Forma fere Nassæ incrassatæ.

287. *Cerithium alabastrulum* Mörch.

T. solidula, albida, turrita, liris spiralibus alternatim minoribus; costis obsoletis confertis undulatis; liris 2 supramedianis expressioribus; intersectionibus incrassatis nodulis elongatis candidis; spira turrita, anfr. convexis; apertura elliptica, labio varicifero margine tenui, intus laevi; canalis leviter sinuata fere ut Bittio; columella leviter arcuata, superne plica dentiformi obsoletissima.

Long. 6 mm.; lat. $2\frac{1}{4}$ mm.

Hab. St. Thomas (Riise spm. unic.)

Sculptura fere præcedentis sed liris 2 prominentioribus, turrita; formam fere Rissoinæ Sagraianæ referens. Canalis parum sinuata.

288. *Cerithium* (Bittium?) *oryza* Mörch.

T. minuta, candida, turrita; spiraliter striata et lirata; liris 3 antice anfr. ult. posteriore majore nodis candidis, intermedia minore, lineis flexis longitudinalibus cinereis (vel flavescentibus) diaphanis; spira turrita medio acutangula; apertura ovali labro tenui, canalis leviter sinuata.

Long. $2\frac{1}{3}$ mm.; lat. $1\frac{1}{8}$ mm.

Hab. St. Thomas (Riise spm. plur.)

Cerithium crassilabrum Kraus Sow. Thes. f. 202 quoad formam. *C. rarimaculatum* Sow. Thes. f. 204. non absimilis.

Species incertae.

* 289. *Cerithium protextum* Conr.

„Subulate, elongated, with longitudinal curved acute

costæ, and fine revolving lines: whorls 15, slightly convex; ribs divided and somewhat dislocated by an impressed line below the suture: color purplish black; within the same.

The described specimen is more than $\frac{3}{4}$ of an inch long, but the usual size is less than $\frac{1}{2}$ an inch.

Cerithium protextum Conr. Proc. Acad. Philad. 1846. Feb. p. 26.

Hab. Tampa Bay.

* 290. *Cerithium dislocatum* Say.

„Sh. attenuated, acute at the apex; volutions with minute, revolving impressed lines, and from 15—18 transverse, elevated costæ to each volution, which are dislocated near the summit of each volution by a revolving line, as deeply impressed as the suture.“

Long. $1\frac{1}{4}$ inch.

Cerithium dislocatum Say Journ. Ac. Sc. Philad. 2. 1821. p. 234.

Cerithium dislocatum Conrad Sillim. Journ. I. 1846. p. 405.

Cerithium dislocatum Holmes ib. VII. 1849. p. 157. Hab. Very common particularly on the coast of East Florida, but I have also found specimens on the shore of Maryland. (Say.)

„List. tab. 979 f. 36 (*Terebra*) is very similar but larger. The effect of the impressed line, which revolves above the middle of the volutions is, to separate the longitudinal raised lines into two series, where of the lines of the superior series, are much shorter and thicker than the others.

* *Cerithium megasoma* C. B. Ad.

Sh. long ovate conic: mostly brownish or reddish black, white within the aperture; thick, with three small spiral rather minutely granulous ridges, of which the upper two are larger and more distant, and interme-

diary spiral striæ; anteriorly with six or seven additional feebly granulous spiral ridges; often (?) with one broad varix on the left side: apex acute: spire with the outlines rectilinear except in the lower part; whorls about 8 (?), a little convex, with a moderately impressed suture; last whorl large and rather ventricose: aperture subovate, rather acuminate at both extremities: labrum rather sharp, much thickened a little behind the edge, feebly striated within: labium with a small prominent callus above: canal very short.

Long. spiræ 0.₃₆ poll.; long. tot. 0.₅₈ poll.; lat. min. 0.₂₅, lat. maj. 0.₃ poll.

Cerithium megasoma C. B. Ad. Contr. p. 119.

Hab. Jamaica.

Nota. *¹ *Cerithium cancellatum* H. C. Lea Am. Journ. of sc. O. S. 1841. Octob. — Decbr. XIII. Nr. 1. p. 111. t. 1. f. 8. Delaware Bay (ex Am. Bibliogr.)

*² *Cerithium clavulus* H. C. Lea.

Contr. Am. Journ. of sc. and Arts. vol. 1. 1846. Mai p. 405. Tampa Bay. (ex Am. Bibl.)

*³ *Cerithium clathratum* Mke. (Weinkauff l. c. p. 161.) Charlestown. = *C. septemstriatum* Say?

*⁴ *Cerithium* sp. aff. *C. breviculo* Sow. sed multo minor. Patria dubia.

Planaxis Lam.

* 292 *Planaxis buccinea* A. Ad.

„T. ovata; spira brevi, acuta, apice obtuso, rubro; anfr. planis, plicato-granulosis; nigro-fusca; cingillis anticulatis, transversis ornata; longitudinaliter substriata, transversim valde sulcata; apertura ovato-oblonga, columella excavata; labro intus crenoplicato, extus incrassato, varicoso.“

Planaxis buccinea A. Ad. Proc. 1851. p. 272. Nr. 27.

Planaxis buccineus Edg. Smith Annals of N. H. Jan. 1872. p. 40.

Hab. West. Indies (A. Ad.) Mus. Cumg.

* 293. *Planaxis eborea* Ed. Smith.

T. parva, alba, ovato-acuminata, apice piceo; anfr. 8, convexusculi, valide spiraliter sulcati; costæ inter sulcos dimidiatae, in anfr. ultimo 14, basi minimæ; apertura ovata; labrum margine tenui, acuto, et maculis 5 brunneis notatum, intus incrassatum, 8-denticulatum: columella arcuata, callo postico parvo.“

„Long. 6 mm.; diam. 3 mm.“

Planaxis eboreus Edg. Smith Annals of N. H. Jan. 1872. p. 42.

Hab. St. Thomas, St. Vincent, Westindies (Brit. Mus.)
Notatur liris spiralibus bipartitis.

294. *Planaxis lineata* D a Costa.

Animal tentaculis filiformibus seriatim nigro-punctatis (Oersted Icon.)

T. ovato-acuta, alba, lineis spiralibus rufis approximatis.

Buccinum recurvirostrum lineatum Da Costa, Brit. Conch. 1776 p. 130. pl. 8. f. 5.

Nassæ truncatæ Chem. 11. f. 1186. 1187. & 1188. 1189?

Buccinum strigosum var. d. Gm. p. 3488. Nr. 76.

Buccinum lineatum d'Ac. Brug. Enc. meth. 1789.

VI. p. 254. Nr. 15.

Buccinum lineatum Dill. 2. p. 606. Nr. 91.

Buccinum lineatum Wood Index. pl. 23. f. 92.

Buccinum pediculare Lam. VII. p. 275. Nr. 49.

Buccinum pediculare Kien. Spec. p. 72. Nr. 71. pl. 28. f. 102.

Planaxis lineata Duval Rev. Zool. 1840. p. 107.

var. fasciis albis.

Buccinum Zebra *) Meg. v. Mühlf. Berl. Schrift. 1811. VIII. p. 1. f. 7.

*) „Mittelmeer“ (Mühlf.)

Hab. Cornwallis Westindies (Da Costa) Java (Leche-
nault, Lam.) St. Thomas (Rüse, Krebs) St. Johns, St.
Martin, (Krebs.)

St. Vincent, Jamaica (Brit. Mus.) on rocks and in hol-
lows between high and low water mark (Krebs Cat.
p. 52.)

* 295. *Planaxis succincta* A. Ad.

„T. ovato-conica, spira acuminata, apice acuto, an-
fractibus convexiusculis, pallide fusca, fasciis linearibus,
transversis, multis, rufo-fuscis, ornata, longitudinaliter
substriata; anfr. ultimo transversim sulcato: apertura
ovato-oblonga; columella fusca; labro intus sulcato. Allied
to *P. lineata* Mtg., but of larger growth and different
form.“ Ad.

Planaxis succincta A. Ad. Proc. z. S. 1851. p. 271.

Planaxis succincta Edg. Smith Annals Jan. 1872.
p. 44. Nr. 30.

Hab. Peru and the Westindies (Mus. Cuming. Ad.)
West Indies (Edg. Smith.)

„The difference between this species and *lineatus*
DC. is very slight, consisting chiefly in its having the
spire more acuminate and the spiral brown lines finer
and fewer in number upon a pale yellow ground,
instead of white as in *lineatus*.“ Edg. Smith.

296. *Planaxis semisulcata* Sow.

Animal tentaculis brevissimis, subulatis, cinereis
(Oersted Icon.)

Buccinum brevirostre parvum Lister t. 976. f. 32.

Nassæ minores Chem. IV. f. 1183. & 1184. 1185?

Buccinum strigosum Gm. p. 3488. Nr. 76. & α β ?

Buccinum nucleus Brug.? Enc. meth. 1789. p. 254.

Nr. 14 *).

*) Celles, que je possédois auparavant je les avois ramassés
sur les rivages de Foule Pointe à l'isle de Madagascar (Brug.)

Purpura nucleus Lam. VII. p. 249. No. 50. ed. 2.
IX. p. 89.

Planaxis semisulcata Sow. Gen. fig. 3.

Planaxis nucleus d'Orb. Cuba 2. p. 151. Nr. 335.

Hab. On rocks between high and low water mark (Krebs), Barbados (Lister), Cuba, Martinique, Guadeloupe, St. Lucie (d'Orb.), St. Thomas, St. Martha, St. Johns, St. Martin, Anguilla (Krebs.)

297. *Planaxis nucleola* Mörch.

T. parva, picea, ovata angusta; spira acuta castanea, fere dimidiam longitudinis testæ æquans; obsoletissime spiraliter lineata, lineis 2—3 fortioribus ad suturam; anfr. ult. obsolete angulato, antice lineis spir. 6—7 profunde insculptis, in intervallis linea obsoleta impressa mediana. Columella lævis, labro antice deflexo (ut. *Pl. mollis*); faucibus cinereis liris circiter 10.

Long 8 mm.; lat. 4 mm.

Hab. St. Croix (Oersted. spm. unic.)

Pl. acuta Krauss quoad formam. *Pl. incisus* Phil. Mke. Zeitschr. 1848 p. 92 affinis videtur. Differt a præcedente t. multo minore angustiore solum ad basin sulcata.

Fam. Turritellidae.

Gen. *Turritella* Lam.

Sbg. Haustator Mtf.

* 298. *Turritella variegata* L.

T. lata; lateribus planis nec imbricatis.

Strombus vel *Subula* Seba Thes. III. t. 56. f. 31.

Trommelschraube Knorr P. II. tab. 27. f. 1. T. VI.
tab. 25. f. 2.

Turbo variegatus L. S. N. X. Nr. 563, XII. 646.

Turbo marmoratus Ch. IV. p. 259. f. 1422.

Epitonium marmoreum Bolt. Verz. 1799. p. 66.
Nr. 1176.

Turbo terebra Don. Br. Shells t. 22 f. 2 dext.

Turritella imbricata Lam. p. p. Kien. Ic. Nr. 8. t.
9. f. 2.

var. a: *Turritella meta* Reeve Ic. f. 34.

Turritella meta Carp. Cat. Reigen. p. 330.

Turritella meta Krebs Cat. p. 46.

Hab. I. Margarita (long. 115 mm. Hornb.) St. Thomas,
(Riise, Krebs.)

* 299. *Turritella imbricata* L.

T. angusta; anfr. imbricatis.

Turbo albus, venulis rubris Buon. p. 126. f. 112.

Strombus Xylohelix Klein p. 29. C. a.

Turbo integer vulgaris spiris gradatim complanatis
Gualt. t. 58. f. E.

Strombus vel *Subula* Seba III. tab. 56. f. 26. 33. 34.

Terebellum subeinereum miscellum et minute striatum
Brown Jam. p. 402.

Turbo imbricatus L. S. N. X. Nr. 557. XII. Nr.
640. L. Mus. Ulr. Nr. 356.

Turbo imbricatus Hanley Ipsa Conch. t. 3. f. 2.

Turbo terebra Don. B. Sh. t. 22. f. 2. sin. et. sup.

Turritella imbricata Lam. VIII. p. 57. Nr. 3.

Turritella imbricata d'Orb. Cuba 2. p. 13. Nr. 189.

Turritella imbricata Kien. t. 9. f. 2^a.

Turritella imbricata Reeve Icon. f.

Hab. St. Lucie, Jamaica (d'Orb.), St. Thomas (Krebs.)
an var. præcedentis?

Sbg. Torcula Gray.

300. *Torcula exoleta* L.

Cochlea alba, mediis orbibus in plures sinus depressis List. Hist. 589. f. 53.

Turbo eburneus sulco admodum profundo excava-

tus, quem duo veluti simul uniti comitantur, ut in basi columnæ corinthiæ ad ornatum componuntur ab architectis Buon. 1787. f. 113. p. 126.

Mus. Kirch. p. 456. f. 113.

Unicorum nevicensis, gyris cavis Petiv. gaz. 1707. t. 46. f. 7. Cat. Nr. 584.

Torculum sulco admodum profundo excavatum d'Argy. 1742. tab. 14. (11) f. C. p. 273.

Torculum sulco Fav. 3. tab. 39. f. D.

Turbo exoletus L. S. N. X. N. 561. XII. Nr. 644.

Strombus Coceyx Klein Tent. p. 29. D. 1. a. b.

Vis feuilleté d'Amerique Davila Cat. 1767. 1. p. 229. t. 16. f. Q.

Vis martelée ib. p. 229.

Strombiformis cinctus Da Costa p. 114. t. 7. f. 8.?

Die Beutelnadel Spengl. Beschreibung eines seltenen Turbo mit auswendig beutelförmigen Kammern Beschäft. der Berl. Gesell. Ntf. Freunde V. 1779. p. 179. tab. V.

Turbo acute costatus, excavatus, trochilosus eburneus Chem. IV. 1780. p. 262. f. 1424.

Turbo torculosus Born Mus. p. 358 t. 13. f. 8.

Turbo torculosus Dill. 2. p. 79. p. 131.

Epitonium squamatum der Taschenezapfen Bolt. Cat. 1798. Nr. 1193. ed. 2. Nr. 1170.

Turritella exoleta Lam. VII. p. 10. Desh. IX. p. 256.

Turritella exoleta L. Reeve Ic. 1849. f. 22.

Turritella exoleta Sow. Gen. Nr. XII. f. 3.

Turritella exoleta Kien. Spec. Nr. 30. t. VII. f. 2. var. f. 6.

var. gracilior.

Turbo exoletus Born Mus. p. 357. t. 13. f. 7.

Turbo obsoletus Gm. p. 3612.

Hab. Martinique (Ks.). Guadeloupe (Beau), Jamaica (C. B. Ad.), Porto Plata, St. Martin, Trinidad (Krebs), Guinea (Ch.)

α Bahia harbour (Andrea 1863.) St. Kitts. (Riise.)

Mesalia Gray.

301. * *Mesalia caribæa* d'Orb.

„T. transversim tenuiter undulata, albida; anfr. ult. antice subsulcato; sutura excavata.“

Long. 23 mm.; diam. 8 mm.

Turritella caribæa d'Orb. Cuba. 2. Nr. 190. t. X. f. 21.

Hab. Cuba (Sagra.)

Turritella varia Kien. Spec. Nr. 34 t. 2 f. 3 (non 36.) Gambia, peraffinis.

Fam. Littorinidae.

Gen. *Modulus* Gray. 1840.

Modulus Beck 1838 Pot. et Mich. Gal. Douai 1. p. 319
(verisimiliter ex Mus. Brit.)

302. *Modulus Krebsii* Mörch.

T. valde deplanata, alba, fusco-punctata, perforata; superne convexiuscula; costis 9 clavatis, unde periphæria nodis validissimis; spira liris tribus obsoletis; inferne liris 6 expressis fusco maculatis; lira valida infraperiphærica nodis elongatis; fascia fusca articulata periphærica; columella rosea, labro intus octolirato.

Diam. 11 mm.; alt. 6 mm.

Hab. Anguilla, Krebs (spm. 1.)

Modulus cerodes A. Adams quoad formam sed sculptura M. moduli.

303. *Modulus convexior* Beck. mss.

Differt a M. modulo T. subglobosa, obliqua, anfr. ult. dilatato, rotundato; lira mediana prominula; columella læte violacea.

Diam. 16½ mm.; alt. 14 mm.

Hab. St. Croix (Fru Eckhardt.)

α columella candida.

Hab. Anegada (Riise.)

β laevior, anfr ultimo plicis destituto

Hab. St. Thomas (Scholten.)

γ castanea.

Hab. St. Thomas (Krebs.)

304. *Modulus pisum* Beck mss.

Differt a praecedente t. parva, globosa, costis valde distantibus; anfr. ult. rotundato.

Diam. circ. 9 mm.

Le grenat ou Limaçon a vive arête Fav. 2. p. 22 & 150. t. 8. f. D?

Hab. St. Barth., Bermuda (Krebs.)

305. *Modulus modulus* L.

Trochus unidens, *umbilicatus striis nodosis exasperatus* Lister t. 653. f. 52.

Cochlea marina terrestriformis striis nodosis exasperatis Gualt. t. 64. f. L.

Globulus marinus trochus adfinis Seba 3. t. 55. f. 17.

Cricostoma striatum striis granulatis Klein §. 35.

Nr. 12.

Trochus modulus L. S. N. X. Nr. 508. S. N. XII. Nr. 586.

Trochus lenticularis Chem. V. 1781. f. 1665.

Trochus modulus Schr. Einl. 1. p. 656. t. 3. f. 11.

Trochus modulus Gm. S. N. p. 3568. Nr. 8.

Monodonta modulus Lam. VII. p. 35. Nr. 8. Desh.

IX. p. 175.

Trochus unidens Ch. d'Orb. Cuba 2. p. 59. Nr. 233. p. p.

α T. anfractu ultimo descendente.

Trochus filus Helbl. Privatg. Böhmen IV. 1779 p. 123. t. 2. f. 32. 33.

β lira carinali obsoleta.

γ castanea.

δ spira fere omnino plana.

Hab. Barbados (Lister), Martinique (Candé), Guadeloupe (Hotessier), St. Thomas, St. Croix, St. Jean (Riise, Sommer, Bardenfl., Scholten etc.) On sandy mud about 2—4 feet water, especially on sea weed (Krebs, Cat. p. 62.)

α Vera Cruz (Liebm.), Jamaica (Crp.)

γ Long Bay, St. Thomas (Krebs.)

δ St. Croix (Oersted.)

306. *Modulus canaliculatus* Beck mss.

Differt a sequente costis paucioribus (12) obliquis; spira elata, columella antice subcanaliculata; liræ infra-periphericæ remotæ exsculptæ.

Diam. 13 mm.; alt. 12 mm.

Hab. Antill. (Mus. Hafn.)

307. *Modulus floridanus* Conr.

T. costis argutis confertis, regularibus circiter 15—18 abruptis.

Diam. 14 mm.

Trochus unidens p. p. d'Orb. Cuba 2. p. 58.

Modulus floridanus Conr. Am. Journ. of Conch. V. 1870. p. 107. t. 12. f. 6.

Hab. Florida (Conr.)

308. *Modulus unidens* Chem.

T. trochiformis, anfr. concavis.

Trochilus unidens striatus, clavicula tenui acuta. List. t. 654. f. 54.

Trochocochlea integra unidens Klein p. 42. Nr. 6. Schröt. Einl. 1. 1783 p. 728. Nr. 128.

Trochilus unidens Listeri Chem. X. 1788. f. 1583. 1584.

Trochus tectum γ Gm. p. 3569.

Trochus modulus γ Gm. p. 3568.

Monodonta carchedonius Lam. VII. 1822 p. 33.

Monodonta unidens Ch. Desh. IX. p. 175.

Trochus perlatus Dill. 2 p. 788. Nr. 76 (non Gm. 3577.)

Trochus perlatus Wood. Ind. t. 71.

Trochus unidens p. p. d'Orb. Cuba 2. Nr. 253.

Hab. „On plants close to the coast, Carthagena (Krebs, Cat. p. 62), St. Croix (Ovesen), Cuba (Andrea.)

var. minor.

Monodonta angulata C. B. Ad. Bost. Proc. 1845. p. 7.

Hab. Jamaica (C. B. Ad.)

309. Modulus sp. n.?

T. trochiformis, minuta, vix perforata, alba; anfr. $3\frac{1}{2}$; superne lævigata, inferne obsolete sulcata; dens minutus.

Diam. 3 mm.

Hab. Florida spm. unicum an juvenile?

Nina Gray.

Operculum orbiculare, angigyrum.

310. Nina tuberculata Gray.

a T. oblongo conica, striis transversis destitutis, nodulis acutis albis in anfr. sup. uniserialibus, in ultimo 8—9 serialibus.

Lister t. 30 f. 28 inf. Buc. lividum, interdum striis muricatis.

Littorina scabra Anton Verz. 1838. p. 53.

Littorina Antoni Phil. Abbild. tab. 2. f. 18.

Littorina trochoides Gray Beechy Voy. p. 140?

var β spira brevi.

Turbo tuberculatus Gray Wood Supp. 1828. t. 6. f. 30. p. 19. 57. (non Mke.)

Littorina tuberculata Gray Beechy Voy. p. 140.

Littorina nodulosa Pfr. Arch. f. N. G. 1839. p. 337. Nr. 62.

Littorina tuberculata d'Orb. Cuba. 1. p. 206. t. 14. f. 15—19.

Littorina tuberculata Phil. Abbild. t. 3. f. 2. (cop.)
1. (Cop. Wood.)

Littorina nodulosa Phil. Abbild. t. 2. f. 11.
Hab. Jamaica (Sloane Lister) Antill. (Phil.) New Providence (Krebs) Havanna (Liebm.)
 β Havanna. (Sagra Auber, Liebm., Riise.)

***Littorina* Fér.**

Operculum ovale, paucispirale.

Subg. Tectus Mtf.

Pagodus Gray. Pagodella Sws. Echinella Sws.

311. *Littorina tuberculata* Mke.

Trochus duplici serie granulorum in anfr. infimo
Chem. V. p. 42. p. p.

Trochus pagodus s. *longævus* Chem. V. p. 9. p. p.

Der kleinknotige Kräusel Schr. Einl. I. p. 687.
Nr. 21.

Littorina tuberculata Mke. Cat. Malsb. p. 10. verisim.

Littorina tuberculata Mke. Syn. ed. 1. 1826. p. 25.
ed. 2. p. 44.

Littorina tuberculata Mke. Pfr. A. f. N. G. 1839.
p. 337. Nr. 62.

Littorina trochiformis Dill. Phil. Abb. II. t. 12.
f. 14—15.

Littorina dilatata d'Orb. Sow. Reeve Icon. f. 9?

var. minor. *Littorina thiarella* Anton Verz. Nr. 1922.

Hab. Cuba only in water (Pfr.) Martinique (Candé) St. Lucie (d'Orb.) St. Croix (Oersted) St. Jean Linster Bay (Unger) Guadeloupe (Beau) Eleuthera (Krebs.)

312. *Littorina dilatata* d'Orb.

T. abbreviata, *columella latissima*.

Littorina dilatata d'Orb. Cuba. 1. p. 207. t. 14. f. 20—23.

Littorina dilatata Phil. Abbild. tab. 2. f. 13.

Hab. Havanna (Sagra, Liebm., Andrea) Florida (Alphen)
New Providence, Porto Plata, St. Thomas, St. Johns, St.
Croix, Porto Rico, Jamaica (Krebs.)

An var. *præcedentis*?

313. *Littorina muricata* L.

Buccinum sublividum, striis nodosis (et interdum
muricatis) List. t. 30. f. 28.

Jamaica wartshell Petiver Gazophyl. 1702. t. 70.
f. 11.

Cochlea verruculata ib. Cat. Nr. 564..

Buccinum parvum integrum Gualt. p. 341. t. 45. f. E.

Cochlea marina, minor tuberculis pulchre inæqualis
Seba t. 39. f. 28—29.

Turbo muricatus L. S. N.X Nr. 529. XII. Nr. 608.

Trochus muricatus L. S. N. XII. Nr. 587. Mus.
Ulr. Nr. 333.

Turbo muricatus Born Test. p. 341. t. 12. f. 15
—16.

Turbo muricatus Chem. V. f. 1752. 1753.

Turbo muricatus Herbst. Ent. t. 2. p. 8. Nr. 4.

Trochus granulatus Meusch. Mus. Gev. 1787.
Nr. 382.

Die Reizbrei Mondschn. Schröt. Einl. 2. p. 7. Nr. 4.

Trochus muricatus Schröter Innere Bau t. 2. f. 2.

Turbo muricatus Burrow Elements t. 19. f. 4.

Turbo muricatus Lam. VII. p. 47. Nr. 23.

Littorina muricata Desh. IX. p. 199. Nr. 23.

Littorina muricata d'Orb. Cuba. p. 203. t. 14. f.
9—10.

Hab. „Dr. Sloane brought this alive from Jamaica and
gave it to Dr. Lister, who kept it alive a whole sum-
mer in his garden at Westminster“ (Petiver et Lister
tab. 30.) Martinique (Candé), St. Lucie et Florida (d'Orb.)

St. Croix (Oersted), Havanna (Auber, Liebm.), St. Anna, Mexico (Caspersen), Eleuthera (Krebs), St. Thomas always over high water mark (Krebs, Cat. p. 60), Riise, Magens etc.

Monstrum: linea elevata spirali infrasuturali.

Hab. Vieques (Riise) spm. 1.

Sbg. Littorinopsis Beck mss.

L. subangulata Lam. typus.

314. *Littorina irrorata* Say.

T. crassa, spiraliter sulcata, flava punctata.

Littorina irrorata Say Journ. N. S. Philad. V. 2.

1822. June p. 239.

Phasianella sulcata Lam. VIII. Août 1822. p. 54.

Nr. 8.

Phasianella sulcata Delessert. t. 37. f. 13.

Littorina irrorata Gray Beechy Voy. p. 138. t. 38. f. 1.

Littorina irrorata Phil. Abbild. 1846. t. 1. f. 4.

Littorina irrorata De Kay New York p. 106. t.

VI. f. 112.

Hab. „Common in salt medows, in great numbers clinging to the stems of salt grass at Haarlem (De Kay), Carolina (Bosc, Kroyer), New Jersey (Fil.), Florida.

* 315. *Littorina Sayi* Phil.

„*T. solidiuscula*, spiraliter multisulcata, alba punctis pallide rufis ornata; spira violascente; sutura profunda; columella rufa; labro intus albo.“

Alt. 9''; diam. 6½''; alt ap. 5''.

Littorina Sayi Phil. „Proc. Zool. Soc. 1845. p. 140.“

Littorina Sayi Phil. Abbild. VI. p. 49. f. 11. (1847.)

Hab. Florida (Say Mus. Cumg.)

316. *Littorina columellaris* d'Orb.

T. crassa, spiraliter striata, albida, lutea vel luteo-punctata, apice violacea; columella lata, fusco violaceo maculata. d'Orb. Long. 13 mm.; diam. 9 mm.

Littorina columellaris d'Orb. Am. mer. 1840. p. 391. Nr. 284.

Littorina columellaris d'Orb. Cuba. p. 213. Nr. 126. t. 15. f. 18—20.

Littorina columellaris Phil. Abbild. V. fig. 21. non 19—20.

Hab. Martinique (Candé) Pernambuco (d'Orb.) Rio Janeiro (P. W. Lund.) Bahia (Moric.)

An var. *sequentis*?

317. *Littorina flava* Brod.

T. crassa, immaculata, saepe bicarinata.

Littorina flava Brod. Zool. Journ. V. 1832. p. 345.

Littorina flava d'Orb. Am. mer. p. 391. t. 53. f. 1—3.

Littorina flava Phil. Abbild. IV. f. 17.

Hab. Port du Rio Janeiro (d'Orb, Kröyer.) Litus ad Praya grande Rio Janeiro (Dr. Mathisen, Galathea).

318. *Littorina nebulosa* Lam.

T. tenuis, subtiliter spiraliter striata; columella violacea.

Phasianella nebulosa Lam. VII. p. 54. Nr. 7. Desh. IX. p. 244.

Phasianella nebulosa Delessert. t. 37. f. 12.

Littorina nebulosa Phil. Abbild. V. f. 29. (err. 20.)

Littorina nebulosa Sow. Reeve Icon. f. 55.

var. *minor*.

Littorina columellaris Phil. Abb. V. f. 19. 20 non 21.

Littorina tigrina d'Orb. Cuba p. 211. t. 15. f. 9—10.

Littorina tigrina Phil. Abb. V. f. 25?

Hab. St. Domingo (Rich.), Chagres N. Granada (Krebs) Trinidad (Riise), Jamaica (Crp.), Catinguiba (Hygom), Honduras (Mus. Cuming), Cayenne (Phil.), Cuba (Sagra) Guadeloupe (St. Cyr, Hotessien). In clusters on wood

laying on the beach between high and low water Chagres (Krebs) p. 61.

319. *Littorina angulifera* Lam.

Cochlea leviter et dense striata crebris undatis lineis rufis fere obliquum depicta List. 583. f. 37—38.

Die liniirte Kinkhorn Knorr. III. t. XIV.** f. 4?

Buccinum lineatum Gm. S. N. p. 3493. Nr. 92?

Phasianella angulifera Lam. VII. 1822. p. 54. Nr. 10.

Littorina angulifera Desh. IX. p. 245.

Littorina scabra d'Orb. Cuba. p. 212. t. 15. f. 15

—17.

Littorina scabra Pfr. Arch. f. N. G. 1840. Nr. 94.

Littorina angulifera Phil. Abb. V. f. 12—14.

Littorina angulifera Sow. Reeve Icon. fig.

Hab. Jamaica (Lister), Cuba (Sagra), Martinique, Guadeloupe (Rang, Candé, Hotess.), St. Thomas, St. Croix, St. John, Portorico (Krebs, Riise). „Exclusivement sur les mangliers d'Orb. On bulwarks and old wood close to the shore.“ (Krebs, Cat. p. 58).

320. *Littorina lineata* Lam.

T. tenuiuscula, lineis tessellatis, undulatis.

Long. 17 mm.; lat. 12 mm.

Phasianella lineata Lam. VII. p. 54. Nr. 6. Desh. IX. p. 244.

Phasianella lineata Delessert t. 37. f. 11.

Littorina undulata d'Orb. Cuba. p. 212. t. 15. f. 12—14 (non Gray.)

Littorina tessellata Phil. Abb. 1847. V. f. 26.

Littorina tigrina C. B. Ad. (teste Carp. in sched.)

Hab. Martinique (Candé) Cuba (Krebs) St. Jean (Prosch, Riise) Vieques (Riise.)

Sbg. Melaraphe Mühlf.

321. *Littorina zic-zak* Chem.

Cochlea sublivida nigris lineis undatis distincta List. tab. 583. f. 38.

Trochus ziczac Chem. V. p. 69. f. 1599^{ab}.

Lèmouchette Fav. 2. p. 20.

Phasianella lineata Lam. p. p. Desh. IX. p. 205.

Trochus ziczac Gm. p. 3587. Nr. 122.

Littorina ziczac Pfr. Register p. 40.

T. provecta, anfr. ult. antice disjuncto.

Littorina ziczac d'Orb. Cuba p. 210. t. XV. f. 5—8.

Littorina d'Orbignyana Phil. Abbild. III. f. 12.

Hab. Jamaica, Barbados (Lister, C. B. Ad.) Martinique (Candé) Havanna (Sagra, Auber) St. Thomas, St. Croix (Oersted, Riise, Krebs.)

322. *Littorina floccosa* Beck mss.

T. lateribus convexis; spira brevis.

Trochus ziczak Chem. V. p. 70. f. 1600.

Trochus ziczak Chem. Gm. S.N. p. 3885.

Littorina cingulata Pfr. C. B. Ad. Cat. p. 19?

Littorina ziczac var? Pfr. Register p. 46.

Littorina ziczak Desh., IX. p. 204. Nr. 3.

Littorina lineata d'Orb. Cuba. p. 208. t. 14. f. 25.

(non Lam.)

Littorina ziczac p. p. Phil. Abbild. III. f. 13?

Littorina lineata Phil. Abbild. t. 13. f. 18. minor.

Littorina ziczac var. *fasciata interrupta* C. B. Adams teste Phil. (Long. $4\frac{1}{2}$ ".)

Hab. St. Thomas (Scholten, Riise, Oersted, Krebs.)

var. *α* *sulcis profundioribus*.

Littorina glaucocincta Beck mss.

Hab. St. Jean (Unger.)

323. *Littorina lineolata* d'Orb.

Differt a *præcedente* t. minore, anfr. ult. obtuso, labro margine dense maculato.

Alt. 8 mm.; diam. 5 mm.

Littorina lineolata d'Orb. Am. mer. p. 393.

Littorina lineata p. p. d'Orb. Cuba. p. 208.

Hab. Rio Janeiro (d'Orb. Kroyer. var. *præced.*?)

324. *Littorina angustior* Mörch.

T. angusta, spira elata, lateribus planis.

Long. 16 mm.

Littorina ziczac Angl. Beck. Pot. & Mich. Douai p. 280. t. 28. f. 11—12.

Littorina lineata d'Orb. Cuba. p. 208. t. 14. f. 24, 26 non 25.

Littorina lineata Phil. Abb. t. 3. f. 18. dext.

Littorina carinata Sow. Reeve fig. 30.

Hab. Havanna (Auber) St. Croix (Oersted, Riise,) St. Thomas (Riise, Krebs.)

var. *α fasciata*.

Littorina lineata d'Orb. Cuba. t. 14. f. 25.

325. *Littorina carinata* d'Orb.

T. conica, anfr. planis; carina prominente, antice excavata.

Littorina carinata d'Orb. Cuba p. 209. t. 15. f. 1—4.

Littorina carinata Phil. Abb. t. 3. f. 19.

Hab. Havanna (Sagra, Liebm.), Martinique (Candé, Rang.)

* 326. *Littorina jamaicensis* C. B. Ad.

„Sh. oblong conic: with transverse somewhat oblique flames of rusty brown or slate color or black, on a white ground, which are interrupted on the middle of the whorls by a spiral slate-coloured or black band, which is of unequal width in the different shells and in different parts of the same shell, but is itself sometimes interrupted by the continuity of the transverse flames of white and slate colour; brown on the columella; brownish black within, with a spiral band of white near the anterior extremity: solid, with very deep rather distant spiral striæ, of which there are about 8 on the penult whorl, and which are more crowded anteriorly: apex very acute: spire with the outlines nearly rectilinear: whorls 7, convex; last whorl with an angular and

subcarinated periphery: aperture rather broadly ovate: columella arcuate and flattened. The sculpture is like that of *L. carinata* Orb., and the form is like that of *L. lineata* d'Orb. (ziezac Dh.), but is rather more robust, and the shell is more solid.

A variety of colouring has all the shell black except on the upper third of the whorls and on the anterior part.

Long. spiræ 0_{,36} poll.; long. tot. 0_{,72} poll., lat. 0_{,44} poll."

Littorina jamaicensis C. B. Ad. Contr. 1850 p. 71.
Hab. Jamaica (Ad.)

327. *Littorina Riisei* Mörch.

T. late ovata, spira brevis, alba fascia mediana et angusta infra-carinali cinereis; lineis rufis obliquis undulatis; dimid. post. anfr. liris spiralibus planis remotis, lineis subtilissimis in interstitiis, ad suturam latiores, interdum lirula intercalante; dimid. ant. conferte spiralliter sulcata; carina prominente; columella carnea fusco-marginata; faucibus castaneis.

Long. 12 mm.; diam. 8 mm.

Littorina jamaicensis " var? of sculpture and coloring has the striæ enlarged nearly to the width of the intervening ridges, and is mostly black with spirally elongated spots of white on the ridges."

Adams Contrib. 1850. p. 71.

Hab. Havanna (Liebm.) Cuba (Rasmussen; Riise.)

Littorina lineata d'Orb. Cuba. t. 14. f. 25. quoad formam, sed sculptura diversa.

* 328. *Littorina pusilla* Phil.

"T. apice erosa et decollata, alba lineis obliquis nigris.

Littorina pusilla Phil. Abbild. t. 3. f. 23.

Hab. Brasilia vel J. Sandwich (Largilliert.)

329. *Littorina* sp. n. an var. præcedentis.

T. minuta, candida lineis remotis piceis obliquis

interdum ramiferis, sæpe linea spirali mediana; columella et faucibus nigris; labro albomaculato.

Long. $3\frac{1}{2}$ mm.; diam. $2\frac{3}{4}$ mm.

Hab. in Palithoæ sp. Pernambuco (Dr. W. Hornemann.)

Littorina penicillata Crp. e San Lucas affinis.

330. *Littorina meleagris* Beck.

T. perforata, fusca, conferte albo-guttata. Long. interdum 10 mm.

Littorina meleagris Beck. Pot. & Mich. Gal. Douai 1838. 1. p. 311. Nr. 6.

Phasianella punctata Pfr. Arch. f. N. G. 1840. p. 255. Nr. 117. (non Gm.)

Littorina guttata Phil. Abb. t. IV. f. 7.

Hab. Cuba (Pfr.) Guadeloupe (Beau) St. Jean, St. Thomas (Scholten, Riise, Krebs.) Vieques (Riise) St. Croix (Oersted.)

On poles in quiet water, close to the beach (Krebs Cat. p. 59.)

331. *Littorina minima* Gray.

T. globosa, perforata, lactea punctis fuscis.

Turbo minimus Gray Cab. Wood Supp. 1828. p. 19. t. 6. f. 29.

Littorina minima Gray Beechy Voy. p. 139.

Littorina minima Gray Phil. Abbild. IV. f. 6.

Hab. Guadeloupe (Beau) St. Martin (Krebs) St. Croix (Riise, Krebs) very common on the poles of the wharfs (Beau.)

332. *Littorina mespilum* v. Mühlf.

T. subglobosa, castanea, perforata.

Helix mespilum Mühlf. Berl. Beschäft. 1829. p. 219. t. 8. f. 8.

Littorina fusca Pfr. Arch. f. N. G. 1840. p. 254. Nr. 96.

Littorina fusca Sowb. Reeve Icon. f. 77?

a spira brevissima.

Littorina naticoides d'Orb. Cuba. p. 214. t. 15. f. 21—23.

Littorina mespilum Phil. Abb. t. VI. f. 20.
Hab. Antill. (Mühlf.) Cuba, (Pfr., Sagra, Auber)
Havanna (Liebm.) New Providence St. Thomas, Buchs
Island (Krebs Riise.)

* 333. *Littorina Gundlachi* Phil.

„T. ovato-conoidea, ventricosa, acuta, umbilicato-perforata, lævissima, rufo-fusca, superius ad suturam et in basi pallidiore; anfr. rotundatis, ultimo maximo; apertura semi-ovata, spiram superante, intus obscure rufo fusca, columella vix arcuata, umbilico distincto, etsi non pervio.“

Alt. $3\frac{1}{3}$ '''.; diam. $2\frac{2}{3}$ '''., long ap. $2\frac{1}{3}$ '''.

Littorina Gundlachi Phil. Mke. Zeitschr. 1848. p. 150. (März 1849.)

Hab. Cuba (Gundlach.)

Incertae sedis.

334. *Littorina lunata* H. C. Lea.

„T. quadrangulati, imperforata, crassa, costata, lutescente vel brunnea: spira elevata, conica, acuta; suturis inconspicuis, anfractibus quatuor, planis, costis transversis magnis crebris; anfr. ultimo angulato, usque ad basin costato; apertura oblique elliptica; labro acuto, undulato; columella inferne latissima, plana.“

Long. 0,07; lat. 0,05 poll.

Littorina lunata H. C. Lea Bost. Proc. N. H. 1844. p. 205.

Littorina lunata Gould Bost. Journ. V. 1845. p. 286. t. 29. f. 3.

Littorina lunata Gould Otin p. 200.

Hab. Cap. may. (H. C. Lea, Gould.)

Nota 1. *Littorina Adamsii* Reeve. Ic. f. 85. (1857) Turbo? pulchells C. B. Ad. mss. Mus. Cumg.) ad Trochoideas pertinet. Hab. Jamaica.

Nota 2. *Littorina dispar* Mtg. (Turbo) Lin. Trans. IX. p. 184. ed Chenu. p. 201. t. 16. f. 33. Brown. Ill. t. 46. f. 22. Forb. & Hanl. p. 57 Turbo *ziczac* Mat. & Rack. Lin. Trans. VIII. p. 17. 1804. ed. Chenu. p. 113. t. 17. f. 14. Brown. Ill. t. 46. f. 26—27. Antill.?

Revision der Familien und Gattungen der Pneumonopomen.

Von

Dr. L. Pfeiffer.

(Forts. von S. 86.)

Die dritte Unterfamilie: **Cyclophorea** umfasst zwar äusserst verschiedene Formen, welche sich aber nach meiner Ansicht nur in wenigen Gattungen classificiren lassen, wenn gleich die neueren Autoren eine Anzahl von neuen aufgestellt haben, welchen ich aber keinen höheren Rang als den von Gruppen in der Gattung *Cyclophorus* zuerkennen möchte, was eigentlich auch von der früher von mir begründeten Gattung *Leptopoma* gilt, seitdem eine Menge von Arten bekannt geworden sind, bei welchen man selbst bei vollständiger Kenntniss zweifelhaft bleibt, ob sie zu *Cyclophorus* oder zu *Leptopoma* zu zählen seien. Doch scheinen die folgenden Gattungen wohl berechtigt zu sein.

XXII. *Craspedopoma* Pfr.

Von den im dritten Supplemente aufgezählten 9 Arten dürften wohl einige kaum als selbstständige aufrecht zu halten sein. Namentlich *Cr. neritoides* und *flavescens* Lowe, deren genaue Diagnosen ich nach dem Autor gegeben habe, werden vom Baron de Paiva, dem gründlichen Kenner der Madera-Fauna, als Varietäten des *lucidum* betrachtet. *Cr. neritoideum* habe ich