

# 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. turrited, 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 new the junction with the preceding 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. missoides* Say 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 convexis,

supra suturam linea impressa notatis, ultimo ad basin concentrice sulcato; columella basi subcanaliculata; peristome 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. praeecedentis?

\*\* 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. sacrae 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 fuscescente, basi subcanaliculato; apertura integra subquadrangulari, intus violacea.

Long. 1", diam. basi 6", Pfr.

Operculum corneum, suborbiculare anguste spiratum  
var.  $\beta$  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 Ieon. 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. praecedentis?

215. *Cerithidea Hegewischii* Phil.

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

Long. 15" lat. (excl. varicibus)  $5\frac{1}{2}$ ; anfr. circa 15.

Cerithium (Potamides) Hegewischii Phil. Mke. Zeitschr. 1848 p. 19.

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

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

*Sbg. Pirenella* Gray.

216. *Cerithidea* sp. n.?

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

Long. 14 mm.; diam.  $5\frac{1}{10}$  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 cœrulea, lœvi, brevi, anfr. rotundatis, undatim longitudinaliter costatis, ad suturam et infra sulcatis; apertura rotunda, fusco tæniata, labro planulatim expanso, antice sinuoso, producto.“

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

Hab. Jamaica (Mus. Cunig.)

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

218. *Cerithidea salmacidum* Morelet.

„T. elongata-turrita, acuminata, longitudinaliter pliata, fusco-violacezens 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 sulcis binis 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. Barthleemi  
 (Riise) Guadeloupe (Schramm.)
- var. & T. solida costis subnodosis.*
- Cerithidea ambigua „C. B. Ad.“* Sow. Reeve Icon.  
 1866. f. 9.
- Cerithium pliculosum* var.  $\beta$  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 instrueta; praeccipue elatiore minusque robusta.  
 Ad.
- Long. spiræ 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. 4. 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 arcuatae* 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,<sub>51</sub>, lat. 0,<sub>16</sub> poll. spm. maj.

Long. 0,<sub>33</sub>, lat. 0,<sub>11</sub> 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 con-  
fervoid 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.*

Sbg. *Lampanella* Mörch.

224. *Pyrazus (Lampanella) minimus* Gm.

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

Buccinum recurvirostrum, clavieulatum, 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. 6c.  
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. heteroclitus* „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<sup>e</sup>. t XV. f. 6<sup>b</sup>.

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

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

Differt a praecedente t. breviore et crassiore.

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<sup>a</sup>.

Lampania septemstriata Sow. Thes. fig. 260<sup>a</sup>.

Hab. Jamaica (Riise).

an var. sequentis?

227. *Pyrazus (Lampanella) eriensis* Val.

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

Long. 6 lin. (Ks.)

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

Hab. Les côtes occidentales de la Trinidat, 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 retrécie à son extrémité inf., canal presque sans profondeur, brum. (Brug.)

*Cerithium lima* Brug. Ene. 1792. p. 495. Nr. 33.

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

*Cerithium seabrum* 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. sebro Oliv. t. solidiore, majore, plurimque 3 lirata, quadratim regulariter reticulata, sutura constricta.

#### 229. *Bittium galactis* Mörelh.

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. adlustum.

#### 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 subdeccussatis, ultimo varicoso-gibboso; basi concentrica 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* Stimp. 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,<sub>095</sub> poll.; long. tot. 0,<sub>12</sub> poll. lat. 0,<sub>08</sub> poll.

*Cerithium iota* 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. Platygryra Mörcz 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* Stimpson. 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 mi-  
nute 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 turrited; 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, pyramidali, 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.  $\alpha$  plica columellari indistincta.

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

„Sh. conic turrited: 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,<sub>12</sub> inch; tot. length 0,<sub>15</sub> inch; br. 0,<sub>045</sub> 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, turrited: 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,<sub>12</sub> inch; tot. length 0,<sub>16</sub> inch;  
br. 0,<sub>055</sub> 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. 0,<sub>09</sub> inch; tot. length 0,<sub>12</sub> inch; breadth 0,<sub>04</sub> 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. 4 $\frac{1}{2}$  mm.; lat. 1 $\frac{2}{3}$  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, turrited: 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,<sub>09</sub> inch; tot. lgth. 0,<sub>11</sub> inch; breadth 0,<sub>035</sub> 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,<sub>08</sub> poll.; long. tot. 0,<sub>08</sub> poll? lat. 0,<sub>13</sub> 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.  $\alpha$  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,<sub>17</sub> poll.; tot. 0,<sub>31</sub> poll. lat. 0,<sub>08</sub> poll." Ad.

*Cerithium gemmulosum* Ad. Contr. p. 120.

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

*Cerithiopsis gemmulosa* 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,<sub>07</sub> poll.; long. tot. 0,<sub>09</sub> poll.; lat.  
0,<sub>038</sub> 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,<sub>085</sub> poll.; long. tot. 0,<sub>1</sub> poll.; lat. 0,<sub>04</sub> 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 excurved and advanced, slightly thickened: labium with a small callus above: canal very short, straight, wide.“ Ad.

Long. spiræ 0,<sub>075</sub> poll.; tot. length 1 poll.; breadth 0,<sub>04</sub> poll.

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

*Cerithiopsis neglectus* Ad. Weink. 2. p. 165 et 170.  
var.  $\alpha$  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* Stimp. Check List. 5.

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

Hab. Boston harbour, southwards (Stimp.) 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: whith 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 excurred, moderately thickened: canal very short and wide, nearly straight."

Long. sp. 0,<sub>135</sub> poll.; long. tot. 0,<sub>17</sub> poll.; lat. 0,<sub>045</sub> 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. A.d.**

"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* Stimp. 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 exiguum* C. B. A.d.**

"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,<sub>09</sub> poll. lat. 0,<sub>035</sub> poll.

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

Hab. Jamaica (Ad.)

\* 256. *Triphoris nanus* C. B. A d.

„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,<sub>11</sub> poll.; lat. 0,<sub>08</sub> poll."

*Cerithium nanum* Ad. Contrib. p. 117.

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

Hab. Jamaica (Ad.)

257. *Triphoris modestus* C. B. A d.

„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,<sub>225</sub> poll.; lat. 0,<sub>07</sub> 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,<sub>2</sub> poll.; lat. 0,<sub>045</sub> poll.

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

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

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

„Sh. conoid, turrited, 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,<sub>2</sub> poll.; lat. 0,<sub>07</sub> poll. (Ad.)

*Cerithium turris* Thomæ Chemn. d'Orb. Cuba. 2. p.

155. Nr. 341. t. 23. f. 10—12.

*Cerithium turris* Chenu f. 1913.

*Cerithium intermedium* Ad. Contr. p. 119.

Hab. Jamaica (Ad.) St. Thomas (Rüse) 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, biseriatim granulosis; granulis superioribus rufis alternis albidis; apertura rotundata, submarginata; siphone posticali breviore simplici. 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, turrited, 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.<sub>29</sub> poll., lat. 0.<sub>085</sub> 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-pyramidalis, in medio tumida, alba, maculis triangularibus rufo-fuscis variegata, anfr. planulatis, triseriatim granulatis, granis aequalibus, interstitiis punctatis, suturis impressis; canali brevi, aperta.“

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

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

An var. praecedentis; 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 dupli 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.  $\alpha$  fascia badia; non tubifera (rariss.)

var.  $\beta$  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<sup>a</sup> (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. 4. 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. Cung.)

An. var. præcedentis?

268. *Cerithium semiferrugineum* Lam.

T. abbreviata, laeviuscula, 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.  $\alpha$  minor, lutea.

Hab. St. Thomas (Riise.)

verisimiliter var. C. litterati.

269. *Cerithium Antillarum* Dkr. mss.

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

fortioribus; interstitiis lirularum hue 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, cœrules-

\*) 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 exiliioribus 5 majoribus granulosis, et plicis longitudinalibus instruc-tis; 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. l. c. f. 81?

*Cerithium eburneum* Sow. Reeve Icon. f. 63.

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

*var.  $\alpha$*  vittata; fasciis longitudinalibus castaneis.

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

Hab. St. Thomas (Riise.)

*var.  $\beta$*  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 granulatis; 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 ferruginous granulated by 20 longitudinal ribs; striae 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 striae.“ 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.)

= 224  
277. *Cerithium versicolor* C. B. Ad.

„Sh. ovate conic, turrited: 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 striae; anteriorly with 4 additional smaller less strongly nodulous spiral ridges and intermediary striae: 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,<sub>42</sub> poll.; long. tot. 0,<sub>57</sub> poll.; lat. 0,<sub>2</sub> 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. eriense* Val. Sow. Thes. p. 863. Nr. 58. f. 119.

*C. stererus muscarum* Say. Kien. Spec. p. 47. t. 49.

f. 2?

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

*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) cinctis, 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.“

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

Long. spiræ 0<sub>34</sub> poll.; long. tot. 0<sub>51</sub> poll.; lat. 0<sub>2</sub> poll.

Cerithium variable 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 cincta, apertura ovali, subexpansa; canali brevi, aperto.“ Sow.

Cerithium Bermudæ Sow. Reeve Icon. 1865. f. 86.

Hab. Bermuda (Mus. Cumg.)

sect.

281. Cerithium rissoide 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 Sagræ* d'Orb.

„T. brevi, ovato-conica, lævigata, 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 Sagræ* 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.)

Spiræ long. 0,<sub>22</sub> poll.; long. tot. 0,<sub>22</sub> poll.; lat. 0,<sub>15</sub> 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 evanescitibus; anfr. convexi, sutura profunda; unicolor castanea, albo fasciata vel omnino alba. Labro intus levigatus. 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 subcanalicate suture; last whorl rather large: aperture rather small, deeply notched anteriorly; labrum rather thick and well excurred. This species connects the genus with those *Cerithia*, in which the canal is reduced to a notch.“ Ad.

Long. spiræ 0,<sub>1</sub> poll.; long. tot. 0,<sub>165</sub> poll.; lat. 0,<sub>08</sub> 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 intercalente; 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 lœvi; 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 incrassatae.

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 lœvi; 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 praecedentis sed liris 2 prominentioribus, turrita; formam fere *Rissoinæ Sagræianæ* 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.  $1\frac{7}{8}$  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,<sub>36</sub> poll.; long. tot. 0,<sub>58</sub> poll.; lat. min. 0,<sub>25</sub>, lat. maj. 0,<sub>3</sub> poll.

*Cerithium megasoma* C. B. Ad. Contr. p. 119.  
Hab. Jamaica.

Nota. \*<sup>1</sup> *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.)

\*<sup>2</sup> *Cerithium clavulus* H. C. Lea.

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

\*<sup>3</sup> *Cerithium clathratum* Mke. (Weinkauf l. c. p. 161.) Charlestown. == *C. septemstriatum* Say?

\*<sup>4</sup> *Cerithium* sp. aff. *C. brevicula* 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, convexiusculi, 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* Da 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 (Lechenault, Lam.) St. Thomas (Riise, Krebs) St. Johns, St. Martin, (Krebs.)

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

\* 295. *Planaxis succineta* A. Ad.

„T. ovato-conica, spira acuminata, apice acuto, anfractibus 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 succineta* A. Ad. Proc. z. S. 1851. p. 271.

*Planaxis succineta* Edg. Smith Annals Jan. 1872. p. 44. Nr. 30.

Hab. Peru and the Westindies (Mus. Cumg. 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.

*Nassae minores* Chem. IV. f. 1183. & 1184. 1185?

*Buccinum strigosum* Gm. p. 3488. Nr. 76. &  $\alpha$   $\beta$ .?

*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 testae 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 levata, labro antice deflexo (ut. Pl. mollis); faucebus 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 praecedente 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 subcinereum 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<sup>a</sup>.

*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 de-*  
*pressis* List. Hist. 589. f. 53.

*Turbo eburneus sulco admodum profundo excava-*

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

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

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

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

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

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

Strombus Coccyx 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 Taschenzapfen 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.)

a Bahia harbour (Andrea 1863.) St. Kitts. (Rüse.)

### Mesalia Gray.

301. \* *Mesalia caribaea* d'Orb.

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

Long. 23 mm.; diam. 8 mm.

*Turritella caribaea* 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 peripheria nodis validissimis; spira liris tribus obsoletis; inferne liris 6 expressis fusco maculatis; lira valida infraperipherica nodis elongatis; fascia fusca articulata peripherica; 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.  $16\frac{1}{2}$  mm.; alt. 14 mm.

Hab. St. Croix (Fru Eckhardt.)

$\alpha$  columella candida.

Hab. Anegada (Riise.)

$\beta$  lævior, anfr ultimo plicis destituto

Hab. St. Thomas (Scholten.)

$\gamma$  castanea.

Hab. St. Thomas (Krebs.)

### 304. Modulus pisum Beck mss.

Differt a præcedente 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.

$\alpha$  T. anfractu ultimo descendente.

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

$\beta$  lira carinali obsoleta.

$\gamma$  castanea.

$\delta$  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.)

$\alpha$  Vera Cruz (Liebm.), Jamaica (Crp.)

$\gamma$  Long Bay, St. Thomas (Krebs.)

$\delta$  St. Croix (Oersted.)

### 306. *Modulus canaliculatus* Beck mss.

Diffrēt 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*  $\gamma$  Gm. p. 3569.

*Trochus modulus*  $\gamma$  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.

α 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 duplii 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 meadows, 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.  $6\frac{1}{2}$ "; 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 (Rüise), Jamaica (Crp.), Catinguba (Hygom), Honduras (Mus. Cumg.), Cayenne (Phil.), Cuba (Sagra) Guadeloupe (St. Cyr, Hotessien). In clusters on wood

laying on the beach between high and low water Chaguado (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 linierte 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). „Exclusive-  
ment 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<sup>ab</sup>.  
 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. proiecta, 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.  $\alpha$  sulcis profundioribus.  
 Littorina glaucocincta Beck mss.  
 Hab. St. Jean (Unger.)

### 323. *Littorina lineolata* d'Orb.

- Differet a praecedente 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.  $\alpha$  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 striae, 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. (ziczag 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,<sub>36</sub> poll.; long. tot. 0,<sub>72</sub> poll., lat. 0,<sub>44</sub> 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 latores, interdum lirula intercalante; dimid. ant. conferte spiraliter 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, saepe linea spirali mediana; columella et fauibus 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?

α 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, laevissima, 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. quadrangulari, 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.?

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## 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

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occidentalium. 87-143](#)