CATALOGUE
OF
SHELLS.
A CATALOGUE
OF THE
SHELLS,
ARRANGED ACCORDING TO THE
LAMARCKIAN SYSTEM;
TOGETHER WITH
Descriptions of New or Rare Species,
CONTAINED IN THE COLLECTION
OF
JOHN C. JAY, M. D.
MEMBER OF THE LYCEUM OF NATURAL HISTORY, NEW-YORK; CORRESPONDING MEMBER OF THE ACADEMY
OF NATURAL SCIENCES, PHILADELPHIA; OF THE UNITED STATES NAVAL LYCEUM, BROOKLYN;
OF THE BOSTON NATURAL HISTORY SOCIETY, &c.
ILLUSTRATED BY SEVERAL PLATES.

THIRD EDITION.

NEW-YORK:
PUBLISHED BY WILEY & PUTNAM, NO. 161 BROADWAY;
AND 67 PATERNOSTER-ROW,
LONDON.
1839.
INTRODUCTORY

OBSERVATIONS.

In submitting the third edition of my Catalogue to the Public, in its present form, it is proper to remark, that, owing to its not being in my power to consult some of the works referred to, and, in consequence, being obliged occasionally to copy a reference, there may be errors to be met with; but, so far as it has been in my power, the References will be found correct.

The Arrangement pursued is that of Lamarck, with the new Genera of later writers interspersed, in their proper places. Great care has been taken to have the authorities and localities correct; and wherever there was any doubt, a note of interrogation has been placed, and the space left blank; all which spaces, I trust, some of my friends will enable me to fill.

It is entirely owing to the generosity of my numerous correspondents, both abroad and at home, that it is in my power to add many species to the present edition; and I trust that they will consider my returns in as favorable a view.

The two former editions of this Catalogue having answered the purpose for which they were published, viz., that of presenting to my correspondents and others, in a convenient form, what shells I had, and what I could furnish in return, I submit the present one to the Public, in the hope, that besides the above object, it may prove of some use. The names
of 305 Genera appear, arranged in their proper order. Upwards of 500 American species will be found distributed among the different Genera, with references to American works, where they are figured or described. Indexes are annexed, containing the full titles of all the works referred to, and the names of the authors of species, which are generally abbreviated.

With regard to the shells figured in the Plates, my object is to obtain information respecting them, whether they are new or not, and I will therefore be happy to receive any information respecting them; only observing that, in the event of any of them proving new, a further description of them will appear in the Annals of the Lyceum of Natural History of this City. I have been disappointed in the execution and coloring of the Plates, particularly in the figures of Conus Rhododendron, Couthony, and Dolium Melanostomum, Nobis, which fall far short of exhibiting their beauty and brilliancy.

Plate I. of the last edition, containing well-known shells, as it would appear, has not been inserted: but for the information of those of my friends who may not be aware of the fact, I would state that Figure 1 is Bulimus pentagruelina, Moricand. Figure 2 is Pupa elatior, Spix. Figure 3 is Bulimus melanostomus, Swainson. Figure 4 is the young shell of Bulimus bilabiatus, Sowerby, published in the Zoological Journal, vol. v. p. 49, and afterwards, Bulimus maximilianus, by Moricand.

In the Malacological and Conchological Magazine, Part 1st, for a copy of which I am indebted to the Author, Mr. G. B. Sowerby, that gentleman remarks, that Aplysia is more proper than Laplysia; and also desires to know the author of the Genus Dythalmia. My Catalogue was too far advanced to make the desired alteration; or to insert the above authority. I have since learned, that M. Mühlfield is the author of Dythalmia Danubii, and am disposed to think it a different species from the Mytilus polymorphus, Gmel.

Collectors are not probably aware that the Numbers, in the first column, are, and always will be constant; so that by placing the same Numbers on their specimens, and making a slight mark opposite the corresponding number in the Catalogue, they will have a Catalogue of their own collection, with very little trouble; and, by having it interleaved, can insert any others, in their proper places.

With respect to exchanges, I repeat, that it will give me pleasure to exchange duplicate specimens, and will receive live and perfect shells, whether they are enumerated in this Catalogue or not: and, as far as I am able, supply whatever may be desired in return.

JOHN C. JAY, 22 Bond-street.

New-York, April, 1839.
CATALOGUE
OF THE
SHELLS
IN THE COLLECTION OF
JOHN CLARKSON JAY.

ANNULATA
Forms the Ninth Class of Lamarck's Division of Animal Nature.

ANNULATA SEDENTARIA.

DORSALIA.

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>Arenicola piscatorum</td>
<td>Lam.</td>
<td>European Ocean</td>
<td>Encycl. pl. 34, f. 16</td>
</tr>
<tr>
<td>129</td>
<td>Siliquaria anguina</td>
<td>Lam.</td>
<td>New Holland</td>
<td>Bern. t. 18, f. 15</td>
</tr>
</tbody>
</table>

MALDANIA.

Clymene

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>136</td>
<td>Dentalium elephantinum</td>
<td>Linn.</td>
<td>East Indies</td>
<td>Mart. t. 1, f. 4 A, et 5 A</td>
</tr>
<tr>
<td>142</td>
<td>&quot;</td>
<td></td>
<td>Europe</td>
<td>D'Argen. t. 3, f. KK</td>
</tr>
<tr>
<td>145</td>
<td>&quot;</td>
<td></td>
<td>East Indies</td>
<td>Gault. t. 10, f. F.</td>
</tr>
<tr>
<td>138</td>
<td>&quot;</td>
<td></td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>140 a</td>
<td>&quot;</td>
<td></td>
<td>N. W. Coast Am.</td>
<td></td>
</tr>
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</table>
### Tenth Class.  

**Cirripedia.**  

**Cirripedia Sessilia.**

<table>
<thead>
<tr>
<th>Number</th>
<th>Genus</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Source(s)</th>
</tr>
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<tbody>
<tr>
<td>151</td>
<td></td>
<td>crassissima</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Enycl. p. 57, f. 5-12.</td>
</tr>
<tr>
<td>157</td>
<td>Amphitrite</td>
<td>penicillus</td>
<td>Lam.</td>
<td>Havre</td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>Spirorbis</td>
<td>nautiloides</td>
<td>Lam.</td>
<td>Europe</td>
<td>List, Conch. p. 553, f. 5.</td>
</tr>
<tr>
<td>163</td>
<td></td>
<td>spirillum</td>
<td>&quot;</td>
<td>Torbay, G. B.</td>
<td>Dorset, Cat. pl. 19, f. 27.</td>
</tr>
<tr>
<td>171</td>
<td></td>
<td>contortuplicata</td>
<td>&quot;</td>
<td>Corsica</td>
<td>Argenv. t. 4, f. D.</td>
</tr>
<tr>
<td>174</td>
<td></td>
<td>decussata</td>
<td>Gmel.</td>
<td>Antilles</td>
<td>List. 547, f. 4.</td>
</tr>
<tr>
<td>190</td>
<td></td>
<td>vermicella</td>
<td>Lam.</td>
<td>African Ocean.</td>
<td>Adans. t. 11, f. 2.</td>
</tr>
<tr>
<td>202</td>
<td>Magilus</td>
<td>antiquus</td>
<td>Lam.</td>
<td>Isle of France.</td>
<td>Sowb. Genera of Shells,</td>
</tr>
</tbody>
</table>

**Tenth Class.**

**Cirripedia.**

**Cirripedia Sessilia.**

<table>
<thead>
<tr>
<th>Number</th>
<th>Genus</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Source(s)</th>
</tr>
</thead>
</table>

---
90 " radiata, ? California.
73 Balanus angustatus, Mont., Great Britain. Wood. Gen. Conch. pl. 6, f. 5.
72 " conoides, Lam., " Donov. Br. Shells, pl. 30, f. 3.
46 " nigrescens, " East Indies. Chemn. 8, t. 97, f. 821.
50 " ovularis, " Great Britain. " 8, t. 97, f. 827.
56 " radiatus, " Great Britain. Sowerby, Gen. f. 42, 43.
58 " stalactiferus, " East Indies. Poli. 1, t. 4, f. 5.
44 " sulcatus, " Great Britain. Chemn. 8, t. 97, f. 830.
91 Acasta Montagu, Lam., Great Britain. Sowb. Gen. f. 4-5.
97 Creusia verruca, Lam., Great Britain. Chemn. 8, t. 98, f. 834.

CIRRHIPEDA PEDUNCULATA.

105 Anatipa dorsalis, Lam., Barbadoes. Encycl. pl. 166, f. 5.
103 " striata, " Great Britain. Encycl. pl. 166, f. 2.
107 " mitella, " East Indies. " f. 2.
111 Cineras membranacea, Lam., Great Britain. Poli. 1, tab. 6, f. 20.

* Balanus galeatus, Lam.,
**ELEVENTH CLASS.**

**CONCHIFERA.**

**Order I.—Conchifera Bimuculosa.**

**SECTION I.—CONCHIFERA CRASSIPEDA.**

**TUBICOLARIA.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>114</td>
<td>Clavagella</td>
<td>?</td>
<td>(Fossil)</td>
<td></td>
</tr>
<tr>
<td>122</td>
<td>Fistulana gregata</td>
<td>Lam.</td>
<td></td>
<td>Encyel. pl. 167, f. 6-16.</td>
</tr>
</tbody>
</table>

**PHOLADARIA.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>210 a.</td>
<td>&quot;</td>
<td></td>
<td>South Carolina.</td>
<td>(with the animal.)</td>
</tr>
<tr>
<td>211</td>
<td>&quot; crispata,</td>
<td></td>
<td>Sandy Hook, N. Y.</td>
<td>Chemn. 8, t. 102, f. 872-874.</td>
</tr>
<tr>
<td>205</td>
<td>&quot; dactylus,</td>
<td></td>
<td>Mediterranean.</td>
<td>Poli. t. 1, pl. 7, f. 1-11, et pl. 8, f.</td>
</tr>
<tr>
<td>208</td>
<td>&quot; dactyloides,</td>
<td>Linn.</td>
<td>Great Britain.</td>
<td>[1-11].</td>
</tr>
<tr>
<td>217</td>
<td>&quot; modiolina,</td>
<td></td>
<td>Great Britain.</td>
<td>Sowb. Gen. f. 3-5.</td>
</tr>
</tbody>
</table>

" " f. 1-2.
<table>
<thead>
<tr>
<th>233</th>
<th>Solen</th>
<th>antiquatus,</th>
<th>Lam.,</th>
<th>Devon. G. B.</th>
</tr>
</thead>
<tbody>
<tr>
<td>221 a.</td>
<td>&quot;</td>
<td>coarctatus,</td>
<td>Gmel.,</td>
<td>Nicobar.</td>
</tr>
<tr>
<td>231</td>
<td>&quot;</td>
<td>constrictus,</td>
<td>Lam.,</td>
<td>China Seas.</td>
</tr>
<tr>
<td>226 a.</td>
<td>&quot;</td>
<td>corbata,</td>
<td>?</td>
<td>?</td>
</tr>
<tr>
<td>226</td>
<td>&quot;</td>
<td>cuneilus,</td>
<td>Linn.,</td>
<td>East Indies.</td>
</tr>
<tr>
<td>230</td>
<td>&quot;</td>
<td>Dombeii,</td>
<td>Lam.,</td>
<td>Peru.</td>
</tr>
<tr>
<td>223</td>
<td>&quot;</td>
<td>ensis,</td>
<td>Linn.,</td>
<td>Rhode Is. &amp; G. B. Poli. t. 1, pl. 11, f. 11.</td>
</tr>
<tr>
<td>231</td>
<td>&quot;</td>
<td>Javanicus,</td>
<td>Lam.,</td>
<td>Java.</td>
</tr>
<tr>
<td>228</td>
<td>&quot;</td>
<td>minus,</td>
<td>Linn.,</td>
<td>British Ocean.</td>
</tr>
<tr>
<td>224</td>
<td>&quot;</td>
<td>pygmaeus,</td>
<td>Lam.,</td>
<td>Torbay, G. B.</td>
</tr>
<tr>
<td>235</td>
<td>&quot;</td>
<td>radians,</td>
<td>Linn.,</td>
<td>Sumatra.</td>
</tr>
<tr>
<td>237</td>
<td>&quot;</td>
<td>rostratus,</td>
<td>Lam.,</td>
<td>East Indies.</td>
</tr>
<tr>
<td>222 a.</td>
<td>&quot;</td>
<td>siliqua,</td>
<td>Linn.,</td>
<td>N. York &amp; G. B.</td>
</tr>
<tr>
<td>227 a.</td>
<td>&quot;</td>
<td>squamosus,</td>
<td>Mont.,</td>
<td>S. Devon. G. B.</td>
</tr>
<tr>
<td>223 a.</td>
<td>&quot;</td>
<td>truncatus,</td>
<td>Leach,</td>
<td>Europe.</td>
</tr>
<tr>
<td>219</td>
<td>&quot;</td>
<td>vagina,</td>
<td>Linn.,</td>
<td>Sandwich, G. B.</td>
</tr>
<tr>
<td>236</td>
<td>&quot;</td>
<td>violaceus,</td>
<td>Lam.,</td>
<td>East Indies.</td>
</tr>
<tr>
<td>238</td>
<td>&quot;</td>
<td>viridis,</td>
<td>Say,</td>
<td>Rhode Island.</td>
</tr>
</tbody>
</table>

| 241 a. | " | costatus, | Say, | " |
| 220 a. | " | fragilis, | Conrad, | " |
| 229 | " | legumen, | Blain., | Mediterranea. |
| 211 b. | " | lucidus, | Conrad, | Upper California. |
| 240 b. | " | subteres, | Conrad, | Upper California. |

| 233 o. Solenella | Norrisii, | Sowb., | Valparaiso. |
| 236 l. Pholadomya | candida, | Sowb., | Tortola. |
| 239 m. Glauconome | Chinensis, | Gray, | Rivers in China. |
| 240 | Panopea | Aldrovandi, | Lam., | Sicily. |
| 241 | Glycimeris | siliqua, | Lam., | North Seas. |

MYARIA.

246 Mya arenaria,—Linn., Europe. Sowb. Gen. of Shells.
245 " truncata, Linn., " " Brook's Conch. pl. 1, f. 10.

253 " truncata, " "

257 Periploma trapezoides, — Desh., Brazil. Blain. pl. 76, f. 7.

SECTION II.—CONCHIFERA TENUIPEDA.

MACRACEA.

263 a. Lutaria canaliculata, — Say, South Carolina. Wood's Index, Sup. pl. 1, f. 3.
266 " compressa, — " " Sandwich, Eng. Da Costa, tab. 13, f. 1.
263 " solenoides, " Cornwall, G. B. Chemn. 6, t. 3, f. 21.

* Osteodesma corbuloides, Desh.,
<table>
<thead>
<tr>
<th>No.</th>
<th>Genus</th>
<th>Species</th>
<th>Author</th>
<th>Location</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>273</td>
<td><em>Cumingia</em></td>
<td><em>Californica</em></td>
<td>Conrad</td>
<td>Sta. Barbara</td>
<td>Jour. A. N. S. p. 234</td>
</tr>
<tr>
<td>296</td>
<td><em>Mactra</em></td>
<td><em>alba</em></td>
<td>Lam.</td>
<td>Sandwich, G. B.</td>
<td>Chemn. 6, t. 22, f. 290-1</td>
</tr>
<tr>
<td>294</td>
<td>&quot;</td>
<td><em>australis</em></td>
<td>&quot;</td>
<td>New Holland</td>
<td>Linn. Syst. Nat. p. 112</td>
</tr>
<tr>
<td>301</td>
<td>&quot;</td>
<td><em>Brasiliana</em></td>
<td>&quot;</td>
<td>Rio Janeiro</td>
<td>Chemn. 6, t. 24, f. 235</td>
</tr>
<tr>
<td>278</td>
<td>&quot;</td>
<td><em>carinata</em></td>
<td>&quot;</td>
<td>East Indies</td>
<td>Knorr. verg. 6, t. 34, f. 1</td>
</tr>
<tr>
<td>307</td>
<td>&quot;</td>
<td><em>crassatella</em></td>
<td>Turton</td>
<td>Sandwich, G. B.</td>
<td>Da Costa, pl. 14, f. 6</td>
</tr>
<tr>
<td>313</td>
<td>&quot;</td>
<td><em>crassa</em></td>
<td>&quot;</td>
<td>Devon</td>
<td>Conch. Ins. Brit. t. 5, f. 7</td>
</tr>
<tr>
<td>308</td>
<td>&quot;</td>
<td><em>decatrata</em></td>
<td>Lam.</td>
<td>Rhode Island</td>
<td>Conrad. M. Conch. t. xiv, f. 1</td>
</tr>
<tr>
<td>275</td>
<td>&quot;</td>
<td><em>gigantea</em></td>
<td>&quot;</td>
<td>Long Island</td>
<td>&quot;</td>
</tr>
<tr>
<td>280</td>
<td>&quot;</td>
<td><em>grandis</em></td>
<td>Chemn.</td>
<td>Prout’s Neck, Me.</td>
<td>Encycl. pl. 233, f. 1, a, b</td>
</tr>
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<td>279</td>
<td>&quot;</td>
<td><em>helvacea</em></td>
<td>&quot;</td>
<td>Adriatic Sea</td>
<td>Poli. t. 18, f. 1-3</td>
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<td>293</td>
<td>&quot;</td>
<td><em>lactea</em></td>
<td>Poli</td>
<td>Mediterranean</td>
<td>&quot;</td>
</tr>
<tr>
<td>311</td>
<td>&quot;</td>
<td><em>lateralis</em></td>
<td>Say</td>
<td>Rhode Island</td>
<td>Journ. A. N. S. vol. 2, page 309</td>
</tr>
<tr>
<td>290</td>
<td>&quot;</td>
<td><em>maculata</em></td>
<td>Linn.</td>
<td>India</td>
<td>Chemn. 6, t. 21, f. 308-9</td>
</tr>
<tr>
<td>288</td>
<td>&quot;</td>
<td><em>plicataria</em></td>
<td>Chemn.</td>
<td>Indian Ocean</td>
<td>&quot;</td>
</tr>
<tr>
<td>299</td>
<td>&quot;</td>
<td><em>rufo</em></td>
<td>Lam.</td>
<td>East Indies</td>
<td>Variety of stultorum</td>
</tr>
<tr>
<td>300</td>
<td>&quot;</td>
<td><em>similis</em></td>
<td>Say</td>
<td>South Carolina</td>
<td>Journ. A. N. S. vol. 2, p. 369</td>
</tr>
<tr>
<td>297</td>
<td>&quot;</td>
<td><em>solida</em></td>
<td>Linn.</td>
<td>England</td>
<td>Sowb. Gen. f. 3</td>
</tr>
<tr>
<td>276</td>
<td>&quot;</td>
<td><em>Spengleri</em></td>
<td>Lam.</td>
<td>Cape of G. Hope</td>
<td>&quot;</td>
</tr>
<tr>
<td>277</td>
<td>&quot;</td>
<td><em>striatella</em></td>
<td>&quot;</td>
<td>East Indies</td>
<td>Encycl. pl. 255, f. 1, a, b</td>
</tr>
<tr>
<td>281</td>
<td>&quot;</td>
<td><em>stultorum</em></td>
<td>Linn.</td>
<td>Sandwich, G. B.</td>
<td>Poli. t. 1, t. 18, f. 10-12</td>
</tr>
<tr>
<td>287</td>
<td>&quot;</td>
<td><em>turgida</em></td>
<td>Gmel.</td>
<td>East Indies</td>
<td>Sowb. Gen. f. 2</td>
</tr>
<tr>
<td>285</td>
<td>&quot;</td>
<td><em>violacea</em></td>
<td>Chemn.</td>
<td>Tranquebar</td>
<td>Chemn. 6, t. 92, f. 213-214</td>
</tr>
<tr>
<td>316</td>
<td><em>Crassatella</em></td>
<td><em>donacina</em></td>
<td>Lam.</td>
<td>New Holland</td>
<td>Engl.</td>
</tr>
<tr>
<td>319</td>
<td>&quot;</td>
<td><em>glabrata</em></td>
<td>&quot;</td>
<td>Sumatra</td>
<td>Sowb. Gen. pl. 2</td>
</tr>
<tr>
<td>315</td>
<td>&quot;</td>
<td><em>Kingicola</em></td>
<td>&quot;</td>
<td>New Holland</td>
<td>Tankerv. Cat. pl. 1, f. 2</td>
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<tr>
<td>320</td>
<td>&quot;</td>
<td><em>radiata</em></td>
<td>Sowb.</td>
<td>&quot;</td>
<td>Sowb. Gen. pl. 1, f. 2</td>
</tr>
<tr>
<td>318</td>
<td>&quot;</td>
<td><em>rostrata</em></td>
<td>Lam.</td>
<td>South America</td>
<td>Sowb. Gen. of Shells</td>
</tr>
<tr>
<td>327</td>
<td><em>Gnathodon</em></td>
<td><em>cuneatus</em></td>
<td>Gray</td>
<td>Alabama</td>
<td>Sowb. Gen. of Shells</td>
</tr>
<tr>
<td>329</td>
<td><em>Ungulina</em></td>
<td><em>oblonga</em></td>
<td>Lam.</td>
<td>Senegal</td>
<td>Sowb. Gen. of Shells</td>
</tr>
<tr>
<td>335</td>
<td><em>Solemya</em></td>
<td><em>borealis</em></td>
<td>Totten</td>
<td>Rhode Island</td>
<td>Sillim. Journ. vol. 26, p. 366</td>
</tr>
<tr>
<td>334</td>
<td>&quot;</td>
<td><em>velum</em></td>
<td>Say</td>
<td>Long Island</td>
<td>Conrad. M. C. page 66</td>
</tr>
</tbody>
</table>

*Mastra arctica, Conrad*
345 a. " reticulatum, " Walwich Bay. " " f. 11, 12.
353 " solidum, Gray, Arica.
352 " transversum, Say, Long Island.

CORBULEA.

364 " porcina, " Buenos Ayres. Encycl. pl. 230 f. 1, a, b, c.
358 " sulcata, " Senegal.
358 a. Pandora depressa, Sowb., Sumatra.
367 e. " striata, Qu. et G. New Zealand.
369 " trilinéata, Say, Long Island.

LITHOPHAGA.

372 " pholadis, Lam., North Sea. Chemn. 8, f. 82, f. 735.
370 a. " rhomboides, Desh., Massachusetts Bay.
378 " lamellosa, Lam., Mediterranean.
386 " pholadiformis, " Rhode Island.
385 " ruperella, " Mediterranean.
### Nymphaeaceae

#### Nymphaeaceae so lenaria.

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<th>Species</th>
<th>Author</th>
<th>Habitat</th>
<th>References</th>
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<tr>
<td>399 occidentis</td>
<td>Lam.</td>
<td>East Indies.</td>
<td>Chemn. 6, t. 7, f. 61.</td>
</tr>
<tr>
<td>400 rosea</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Sowb. Gen. f. 1, 2.</td>
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<tr>
<td>402 rugosa</td>
<td>Say,</td>
<td>&quot;</td>
<td>Chemn. 6, t. 9, f. 79-83.</td>
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<tr>
<td>409 maculosa</td>
<td>Conrad</td>
<td>Tiger Bay, Africa.</td>
<td>Encycl. pl. 293, f. 2.</td>
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<tr>
<td>408a vespertina</td>
<td>Lam.</td>
<td>Upper California.</td>
<td>&quot;</td>
</tr>
<tr>
<td>423 Psammotaea violacea</td>
<td>Lam.</td>
<td>Mediterranean.</td>
<td>Chemn. 6, t. 7, f. 59, 60.</td>
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<tr>
<td>410b Tellina acuta</td>
<td>Wood</td>
<td>West Indies.</td>
<td>Blain. Malac. pl. 78, f. 2.</td>
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<tr>
<td>437a Balthica</td>
<td>&quot;</td>
<td>North Sea.</td>
<td>Payr. pl. 1, f. 21, 22.</td>
</tr>
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<td>482 bimaculata</td>
<td>&quot;</td>
<td>European Ocean.</td>
<td>Chemn. 6, t. 13, f. 128.</td>
</tr>
<tr>
<td>476 Brasiliana</td>
<td>Lam.</td>
<td>Rio Janeiro.</td>
<td>&quot;</td>
</tr>
<tr>
<td>452 depressa</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Astral. pl. 81, f. 14-16.</td>
</tr>
<tr>
<td>441a dispar</td>
<td>Conrad</td>
<td>&quot;</td>
<td>Polh. 1, t. 15, f. 1.</td>
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#### Nymphaeaceae tellinaria.

<table>
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<th>Author</th>
<th>Habitat</th>
<th>References</th>
</tr>
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<tr>
<td>410b Tellina acuta</td>
<td>Wood</td>
<td>West Indies.</td>
<td>Journ. A. Nat. S. vol. 7, p. 239.</td>
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exilis, Lam., Mediterranean.
fabula, Gmel., Sandwich, Eng.
fausta, Pultney, Senegal.
foliacea, Linn., Indian Ocean.
lactuosa, Chemn., Guinea.
Lauitiyi, Payr., Corsica.
lingua-felis, Linn., Indian Ocean.
maculosa, Lam., West Indies.
Madagascarren-Gmel., Madagascar.
multangular, Gmel., Tranquebar.
usata, Conrad, Columbia River.
nitida, Poli, Mediterranean.
ymphalis, Lam., Guinea.
obliquilocatata, Conrad, Upper California.
operculata, Gmel., East Indies.
planata, Linn., Sandwich, G. B.
polita, Say, South Carolina.
polygona, Gmel., Indian Ocean.
pulchella, Lam., Mediterranean.
unicola, Born, "
radiata, Linn., West Indies.
remies, Lam., California.
rosea, Linn., Indian Ocean.
rostrata, Born, New Holland.
rugosa, Linn., Indian Ocean.
scobinata, Conrad, Upper California.
secta, Soland., North Wales.
sordida, Chemn., Nicobar.
Spengleri, Lam., New Holland.
staurella, " Great Britain.
striatula, Gmel., Adriatic.
strigosa, Lam., East Indies.
sulcata, "
sulphurea, "
tenera, Say, Mass. Bay.
tenuis, Lam., England.
unimaculata, " West Indies.
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  435 " virgata, Linnae, Indian Ocean. Conf. 6, t. 8, f. 67-71.

490 Tellinidae Timorensis, Lam., Straits of Malacca. Blain. pl. 72, f. 2, 2, 6.

418 Arcopagia ovata, Leach, Great Britain. Brown's Conchology.

492 Corbis simbrata, Cuvier, Pacific Ocean. Sowb. Gen. of Shells.

497a. Lucina aurantia, Desh., Indian Ocean. Conf. 7, t. 87, f. 266.
  503 " carnaria, Lam., Mediterranean. Conf. 6, t. 13, f. 196.
  502 " edentula, " " 7, t. 39, f. 408-9.
  496 " Jamaicensis, " " 7, t. 39, f. 408-9.
  500 " radula, " Devon. G. B. Conf. 7, t. 38, f. 239.
  505 " reticulata, " " 6, t. 12, f. 118.

539 Donax anatinum, Linnaeus, Mediterranean. Poli. t. 2, t. 19, f. 7.
  517 " compressa, Lam., Sumatra. Lister. t. 291, f. 238.
  516 " cuneata, Linnaeus, Tranchebar. Conf. 6, t. 26, f. 260.
  533 " denticulata, " " 6, t. 26, f. 266-7.
  532 " elongata, Lam., Africa. Adans. t. 18, f. 1.
  515 " pubescens, Linnaeus, East Indies. " 6, t. 25, f. 218.
  520 " ringeus, Lam., Indian Ocean. " 6, t. 25, f. 251-293.
  530 " rugosa, Linnaeus, " " 6, t. 25, f. 250.
  545 " scalpellum, Wood, South Sea. Wood's Index, Suppl. pl. 2, f. 1.
  514 " scortum, Linnaeus, Indian Ocean. Conf. 6, t. 25, f. 242-7.
  536 " scripta, " " 6, t. 25, f. 261-5.
  544 " triradiata, " " 6, t. 25, f. 215-5.
546 " lavigata, Laevigata. Chemn. 6, t. 25, f. 249.
549 Crassina danmoniensis, Lam., Rhode Island. Sowb. Gen. f. 1, 2, 3.
548 b. " var. " Provincton, Ms.

SECTION III.—CONCHIFERA LAMELLIPEDA.

CONCHÆ.

CONCHÆ FLUVIATILES.

552 " cornea, Lam., Riv. Thames, Eng. Blain. pl. 73, f. 1, a.
557 " fontinalis, Drap., Montpelier. Drap. pl. 10, f. 9-12.
553 " lacustris, Drap., Europe. Drap. pl. 10, f. 6, 7.
554 " obliqua, Lam., Thames, Eng. Chemn. 6, t. 13 f. 134.
570 " Carolinensis, Lam., South Carolina. Bosc, 2, pl. 18, f. 4.
563 " trigonella, Lam., East Indies. Encycl. pl. 201, f. 1, a, b.
568 " violacea, Lam., Indian Ocean. Chemn. 6, t. 32, f. 336.
572 " Zeylanica, " Ceylon.
CONCHÆ MARINÆ.

576 Cyprina

Islandica, Lam., Norway.

Cytherea

arabica, Lam., Red Sea.

Lam., Upper California.

castanea, Lam., Indian Ocean.

casta, " " Mediterranean.

castrensis, " " West Indies.

chione, " " Long Island.

concentrica, " " Atlantic Ocean.

convexa, Say, " " California.

corbulica, Lam., " " Gulf of California.

crassatelOIDes, Conrad, " " East Indies.

Dione, Lam., Indian Ocean.

divaricata, " " England.

erycina, " " Indian Ocean.

exolea, " " Florida.

flexuosa, " " Indian Ocean.

florida, " " Florida.

gibbia, " " Indian Ocean.

gigantea, " " Ceylon.

guinensis, " " W. Coast Africa.

hieroglyphica, Conrad, " " Sandwich Islands.

impudica, Lam., Indian Ocean.

lata, " " Moluccas.

lilacina, " " " 6, t. 34, f. 353-4.

lincla, " " England.

lusoria, " " Japan.

maculata, " " West Indies.

meretrix, " " Nicobar.

mixta, " " East Indies.

ornata, " " " 6, t. 35, f. 369, 370.
pectinata, Lam., Indian Ocean.
586 pitar, Adans., Senegal.
611 picta, Lam., Indian Ocean.
582 planulata, Sowb., South Sea.
581 prora, Conrad, New Holland.
529 prostrata, Lam., Indian Ocean.
632 punctata, " East Indies.
587 purpurata, " Brazil.
635 scripta, " Indian Ocean.
653 squamosa, " China.
607 sulcatina, " Indian Ocean.
631 tigerina, " Antilles.
612 trigina, " Amboyna.
590 tripla, " West Indies.
634 undatina, " Strait of Malacca.
613 Venetiana, " Mediterranean.

696 Venus

adspersa, Chemn., Zanzibar.
715 aurea, Gmel., Plymouth, Eng.
698 Bendantii, Payr., Corsica.
727 bicolor, Lam., Mediterranean.
671 cancellata, Linn., West Indies.
668 casina, " Devon. Eng.

700 chinensis, Chemn., East Indies.
720 circinata, Born, Brazil.
663 corbis, Lam., East Indies.
669 crebrisulca, " Ireland and Medit.
705 decussata, Linn., Aria.
680 Dombeii, Lam., Atlantic Ocean.
660 c. fasciata, Donov., Europe.
728 floridella, Linn., Torbay.
683 gallina, Totten, Rhode Island.
744 gemma, Chemn., Amboyna.
703 geographica, Gmel., West Indies.
673 granulata, Linn., Amboyna.
673 litterata, " Indian Ocean.
699 Malabarica, " Timor.
675 mercenaria, Dill., Devon. G. B.
660 Montagu, "
722 (Venus) nebulosa, Chemn., Tranquebar.
753 notata, Say, Long Island.
666.a Nuttallii, Conrad, Sta. Barbara.
721 opima, Gmel., Indian Ocean.
746 ovata, Lam., Belfast.
718 ovulea, " New Holland.
695 papilionacea, Linn., Indian Ocean.
660.a papilia, " St. Thomas.
745.a Peruviana, " Peru.
670 plicata, Gmel., Senegal.
660 puerpera, Linn., South Sea.
706 pullastrea, Mont., Europe.
662 pygmaea, Lam., West Indies.
661 a. radiata, Gmel., Brazil.
704 rariflamma, Lam., Africa.
661 reticulata, " East Indies.
667 rugosa, Gmel.,
714 Scotia, Matou, Devon. G. B.
731 sinuosa, Lam., New Holland.
667.a staminae, Conrad, Upper California.
672 subrostrata, Lam., East Indies.
701 textile, Gmel., Malabar.
702 texturata, Lam., Indian Ocean.
665.a thiarum, Dillw., East Indies.
698 turigida, Lam.,
666 verrucosa, Linn., Devon. G. B.
716 virginea, " Torbay, G. B.
754 Venerocardia australis, " New Holland.

CARDIACEA.

783 radiatum, Born, East Indies.
763 apertum, Chemn., Pacific.
759 Asiaticum, " Nicobar Islands.
756.a bi-angulatum, Sowb., Pacific.
762 Brasilianum, Lam., Rio Janeiro.
765 bullatum, " Martinique.
800 cardissae, Linn., East Indies.
20

765 (Cardium) ciliare, Gmel., Portsmouth, Eng. Chemn. 6, t. 17, f. 171, 172
756 " costatum, Linn., Africa. " 6, t. 15, f. 154, 152.
876 " Dionæmm, Sowb., South America. Sowb. C. Ill. f. 1.
786 " " Ireland. List. Conch. t. 334, f. 171.
786 a. " " Mediterranean.
Poli. t. 17.
764 a. " " Pacific.
776 " elongatum, Lam., West Indies. Sowb. C. Ill. f. 3.
770 " erinaceum, " Mediterranean. Seba, 3, t. 86, f. 2.
780 a. " fasciatum, Mont., South Carolina. Poli. t. 1, f. 4-6.
796 " fragum, Linn., Indian Seas. Mont. Suppl. t. 27, f. 6.
772 " isocardia, " West Indies. Chemn. 6, t. 16, f. 159-161.
775 " marmoræum, " Mediterranean. " 6, t. 18, f. 159.
795 " medium, Linn., East Indies. " 6, t. 17, f. 179.
764 " papyraceum, Chemn., East Indies. Sowb. C. Ill. f. 21.
758 " ringens, Chemn., Africa. Chemn. 6, t. 14 f. 139-142.
778 " rugosum, Lam., East Indies. Mont. Test. B. t. 29, f. 4.
785 " rusticum, " Adriatic Sea. Chemn. 6, t 19, f. 191.
780 " serratum, Lam., Europe. Sowb. C. Ill.f. 10.
806 " soleniforme, " East Indies. Encycl. pl. 299, f. 2.
785 a. " substratum, Conrad, Upper California. " pl. 299, f. 6, a, b.
771 " tuberculatum, Linn., Torbay, G. B. Chemn. 6, t. 19, f. 190.
794 " unedo, " East Indies. " 6, t. 17, f. 173.

Wood's Gen. Conch. pl. 58, f. 3.
| 777  | (Cardium) | ventricosum, | Brug., | South Carolina. | Encycl. pl. 299, f. 1 |
| 811  | Cardita   | ajar,       | Brug., | Senegal.       | Adans. Seneg. pl. 16, f. 2 |
| 818  | "         | bicolor,   | Lam.,  | Red Sea.       | Knorr. verg. 2, pl. 20, f. 3 |
| 835  | "         | borealis,  | Conrad, | Rhode Island. | Con. Marine Conch. tab. 8, f. 1 |
| 823  | "         | calyculata,| Lam.,  | West Indies.   | Sowb. Gen. f. 1, 2 |
| 827  | "         | concamerata,| Brug., | "             | Chemn. 7, t. 50, f. 506, a. b. c. |
| 821  | "         | crassicostata,| Lam., | Senegal.       | Adans. Seneg. tab. 15, f. 8 |
| 820 a.| "        | muricata,  | Sowb., | Rapa Islands. | Z. J. page 195 |
| 820  | "         | phrenitica,| Lam.,  | Red Sea.       | Chemn. 7, t. 50, f. 502, 503 |
| 810 a.| "        | radiata,   | Sowb., | Panama.        | Z. Journ. p. 195 |
| 822  | "         | rufescens, | Lam.,  | Gulf of Nicoya. | List. pl. 347, f. 155 |
| 826  | "         | sinuata,  | "      | "             | Desh. Enc. Meth. ver. t. 2, p. 201 |
| 813  | "         | squamosa, | "      | Mediterranean. | Poli. 2, t. 23, f. 22 |
| 810  | "         | sulcata,  | Brug., | "             | " 2, t. 23, f. 11-21 |
| 817  | "         | trapezia, | Lam.,  | Indian Ocean.  | Chemn. xi. t. 204, f. 2005-6 |
| 812  | "         | turgida,  | "      | "             | 7, t. 48, f. 490-1 |

| 841  | Isocardia  | cor,      | Lam., | Mediterranean.      | Sowb. Gen. f. 1, 2 |
| 844  | "         | Moltkiana,| "      | East Indies.        | " f. 3. |

**ARCACEA.**

| 849  | Cucullea  | auriculifera, | Lam., | East Indies. | Sowb. Gen. f. 1, 2 |
| 876  | Arca      | antiquata,   | Linn., | Africa.      | Poli. t. 25, f. 14, 15 |
| 863  | "         | barbata,    | "      | St. Croix.   | " t. 25, f. 6, 7 |
| 866  | "         | Domingensis,| Lam.,  | Antilles.    | List. 233, f. 67 |
| 864  | "         | fusca,      | Brug., | Barbadoes.   | Chemn. xi. t. 204, f. 2007 |
| 878  | "         | granosa,    | Linn., | East Indies. | Encycl. pl. 307, f. 1, a. b. |
| 880  | "         | inaequivalvis,| Brug., | Indian Ocean. | " pl. 303, f. 3, b. |
| 881  | "         | indica,    | Linn., | Sumatra.     | List. 233, f. 66 |
| 887  | "         | lactea,    | "      | Sandwich, Eng. | Poli. 3, t. 25, f. 20-22 |
| 862  | "         | ovata,     | Gmel., | Red Sea.     | " 7, 51, f. 538 |
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802 a. (Arca) reticulata, Chenm., East Indies.  
877 " rhombea, Born., Indian Ocean.  
875 " scapha, Lam., West Indies.  
852 " semi-torta, " New Holland.  
882 " senilis, Linn., Africa.  
851 " tortuosa, " Indian Ocean.  
800 a. " transversa, Say, Gardiner's Island.  
855 " umbonata, Lam., West Indies.  

890 Pectunculus glycimeris, Lam., Great Britain.  
893 " marmoratus, " Mediterranean.  
906 " pectinatus, " West Indies.  
905 " pectiniformis, " East Indies.  
895 " penaeusculus, " Mediterranean.  
891 " pilosus, " East Indies.  
896 " rubens, " Mediterranean.  
900 " violaceus, " Mediterranean.  

912 a. Nucula curvostra, Humph., Guinea.  
914 d. " Eigltzi, Couth., Sandwich Islands.  
917 " limatula, Say, Rhode Island.  
915 " margaritacea, Lam., Sandwich, Eng.  
914 " obliqua, Lam., Valparaiso.  
906 e. " Portlandica, fossil, Maine.  
916 d. " tenuisulcata, Couth., 

TRIGONIANA.

918 Trigonia pectinata, Lam., New Holland.  

NAIADA.

MARGARITA.

919 Unio* acutissimus, Lea, Alabama.  

* In the arrangement of the Naiades I have adopted the classification of Isaac Lea, Esq., of Philadelphia. His "Synopsis of the family Naiades of Lamarck," and also descriptions of several new species, illustrated by beautifully colored plates, have lately appeared in the Transactions of the American Philosophical Society, Philadelphia, Vol. VI. Part I. New Series. 1838.
920 (Unio)  
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Esopus, Say; Ohio. 
Esopus, Say; Ohio. 
altatus, Say; Ohio. 
altilis, Say; Ohio. 
ambiguus, Ziegler, France. 
amnicus, Ziegler, France. 
angulatus, Ziegler, France. 
angustatus, Ziegler, France. 
Anodontoides, Say; Ohio. 
apiculatus, Say; Ohio. 
arceiformis, Say; Ohio. 
arctic, Say; Ohio. 
asper, Say; Ohio. 
asperrimus, Say; Ohio. 
aturatus, Say; Ohio. 
auratus, Say; Ohio. 
badius, Say; Ohio. 
Batavus, Say; Ohio. 
Brevedens, Say; Ohio. 
camelus, Say; Ohio. 
Capigliola, Say; Ohio. 
capsaeiformis, Say; Ohio. 
caricous, Say; Ohio. 
castaneus, Say; Ohio. 
circulus, Say; Ohio. 
clavus, Say; Ohio. 
coruleus, Say; Ohio. 
coccineus, Say; Ohio. 
compressus, Say; Ohio. 
complanatus, Say; Ohio. 
confertus, Say; Ohio. 
Congarœns, Say; Ohio. 
Conradens, Say; Ohio. 
Cooperianus, Say; Ohio. 
Cornutus, Say; Ohio. 
Corrugatus, Say; Ohio. 
Crassidens, Say; Ohio. 
Crassus, Say; Ohio. 
Cumberlandicus, Say; Ohio. 
Say; Louisiana. 
Lea, Say; Tennessee. 
Say; Ohio. 
Lea, Say; Alabama. 
Say; Ohio. 
Swains, Say; Chili. 
Lea, Say; New Holland. 
Kokeil, Rhone. 
Lea, Say; Europe. 
Lea, Say; Ohio. 
Payr, Say; Corsica. 
Lea, Say; Tennessee. 
Lea, Say; New Jersey. 
Lea, Say; Alabama. 
Lea, Say; Ohio. 
Lea, Say; Hindostan. 
Lea, Say; Ohio. 
Lea, Say; New Jersey. 
Lea, Say; South Carolina. 
Lea, Say; Tennessee. 
Lea, Say; Ohio. 
Barnes, Say; East Indies. 
Lea, Say; Ohio. 

Swain's Exot. C. pl. 7. 
Sowb. Gen. pl. 1, f. 2. 
Schoefl. Fluss. tab. 3, f. 5. 
Sowb. Gen. f. 2. 
Trans. A. P. S. p. 17, f. 43, v. 4. 
Say's Amer. Conch. pl. 52. 
Voy. de la Coquille Mol. p. 15, f. 55. 
Mich. Suppl. pl. 16, f. 25. 
Drap. pl. 11, f. 3. 
Trans. Am. P. S. v. 4, pl. 6, f. 6. 
Trans. Am. P. S. v. 4, pl. 18, f. 45. 
Trans. Am. P. S. v. 5, pl. 6, f. 12. 
Trans. Am. P. S. v. 5, pl. 12, f. 22. 
Trans. Am. P. S. v. 5, pl. 16, f. 47. 
Trans. Am. P. S. v. 5, pl. 9, f. 23. 
Trans. Am. P. S. v. 5, pl. 8, f. 21. 
Conrad, Monogr. pl. 1, f. 1. 
Wood's Ind. Sup. pl. 1, f. 6, Mya. 
Trans. Am. P. S. v. 6, pl. 7, f. 19.

* Castalia ambigua, Lam. + Hyria corrugata, Lam., Sowb.
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1. Cuprinus, Lea, Mexico.
   2. Cylindricus, Lea, Ohio.
   4. Declivis, Say, Ohio.
   5. Decurvarus, Ross, France.
   6. Delicens, Say, Ohio.
   8. Ebenus, Lea, Ohio.
   10. Elegans, Lea, Ohio.
   11. Ellipsis, Pfeil, France.
   12. Elongatus, Lea, Ohio.
   15. Foliatus, Conrad, South Carolina.
   17. Fulvus, Muhl, Barnes, Ohio.
   18. Fusculus, Lea, Ohio.
   22. Grauferus, Lea, China.
   23. Grayanus, South Carolina.
   24. Griffithianus, Denmark.
   27. Hildrethianus, Ohio.
   28. Hopotenensis, Georgia.
   29. Hydianus, Louisiana.
   30. Inflatus, Alabama.
   31. Iris, Ohio.
   32. Irroratus, Florida.
   33. Javensis, Africa.
   34. Julianus, Rang, Ohio.
   35. Kirtlandianus, Lea, Ohio.
   36. Lavissimus, Ohio.
   37. Lacrymosus, Ohio.

Encycl. Am. Conch. pl. 4, f. 3.
Trans. Am. P.S. v. 4, pl. 12, f. 23.
Say's Amer. Conch. pl. 35.
U. Baravus, Lam.
Say's Amer. Conch. pl. 34.
Trans. Am. P.S. v. 3, pl. 4, f. 3.
   "  "  "  v. 5, pl. 10, f. 32.
   "  "  "  v. 4, pl. 9, f. 14.
Caill. v. Méroé, t. 2, pl. 61, f. 6, 7.
Trans. Am. P.S. v. 4, pl. 9, f. 13.
   "  "  "  v. 3, pl. 4, f. 1.

Trans. Am. P.S. v. 5, pl. 9, f. 22.
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Conrad, Monog. pl. 4.
   "  "  "  pl. 6, f. 2.
U. Baravus, Lam.
Conrad Monog. pl. 27.
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Trans. Am. P.S. v. 6, p. 19, f. 60.
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   "  "  "  v. 5, pl. 3, f. 7.
   "  "  "  v. 3, pl. 8, f. 11.
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   "  "  "  v. 6, pl. 9, f. 24.
   "  "  "  v. 6, pl. 6, f. 11.
   "  "  "  v. 4, pl. 14, f. 28.
   "  "  "  v. 3, pl. 11, f. 18.
   "  "  "  v. 3, pl. 5, f. 5.
   "  "  "  v. 6, pl. 9, f. 23.
Trans. Am. P.S. v. 5, pl. 14, f. 11.
   "  "  "  v. 3, pl. 13, f. 23.
   "  "  "  v. 3, pl. 6, f. 8.
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<td>Lea, Gray. Trans. Am. P. S. v. 6, pl. 12, f.35.</td>
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| 1. Abrupectus, S. |  |
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| 5. Seliquinix, S. |  |
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- pastulatus, Lea, Tennessee.  
- pustulosus, Ohio.  
- pyramidatus, Pennsylvania.  
- radiatus, Lam., Ohio.  
- Rangianus, Lea, Ohio.  
- Ravenelianaus, North Carolina.  
- rectus, Lam., Ohio.  
- reniformis, Schmidt, Europe.  
- Requienii, Michaud, River Rhone.  
- retusus, Lam., Ohio.  
- riparius, Pfeiff, Europe.  
- Roanokeensis, Lea, Georgia.  
- rostratus, Lam., Europe.  
- rotundatus, Lam., Louisiana.  
- rubiginosus, Lea, Ohio.  
- Schoolcraftensis, " Green Bay.  
- securis, " Ohio.  
- Sheppardianus, " Georgia.  
- solidus, " Ohio.  
- Soverbianus, " Tennessee.  
- spinosus, " "  
- splendidus, "  
- stapes, "  
- subovatus, "  
- subrotundus, "  
- subtenetus, Say, South Carolina.  
- subtetragon, Mich., France.  
- sulcatus, Lea, Ohio.  
- syrmatophorous, " South America.  
- Tappanianus, " Pennsylvania.  
- Tenmisinus, Ravenel, Ohio.  
- tenerus, " South Carolina.  
- trapezoides, Lea, Louisiana.  
- triangularis, Barnes, Ohio.  
- trigonos, Lea,  
- Troostens, Tennessee.  
- tuberculatus, Barnes, Ohio.  
- tumidus, Pfeiff, France.  

Conrad's Monog. pl. 10, f. 2.  
Trans. Am. P. S. v. 6, pl. 18, f. 56.  
Trans. Am. P. S. v. 5, pl. 3, f. 5.  
Conrad's Monog. pl. 15.  
Drap. pl. 11, f. 3.  
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Trans. Am. P. S. v. 6, pl. 8, f. 21.  
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Sowb. Gen. of Shells, f. 1.  
Trans. Am. P. S. v. 6, pl. 17, f. 55.  
Trans. Am. P. S. v. 6, pl. 11, f. 21.  
Conr. Fresh W. Shells, pl. 7, f. 1.  
Trans. Am. P. S. v. 4, pl. 16, f. 41.  
Stilim. Journ. vol. 6, pl. 7, f. 8.  
Encycl. pl. 248, f. 9.

* Hyria avicularis, Lam.
1057 (Unio) 2 turgidus, Lea, Louisiana.
1058 " undulatus, Barnes, Tennessee.
1059 " Vanuxemensis, Lea, "
1060 " varicosus, Lea, Ohio.
1061 " ventricosus, Barnes, Illinois.
1062 " verrucosus, " "
1063 " zigzag, Lea, Ohio.

1076 Margaritana arcuata, Lea, Georgia.
1077 " Bouelli, " France.
1078 " deltoidea, " Ohio.
1079 " calcicola, " "
1080 " complanata, " Wisconsin.
1081 " confragosa, " "
1082 " margaritifera, " New-York.
1083 " marginata, " "
1084 " Raveneliana, " North Carolina.
" rugosa, " Ohio.
" undulata, " New-York.

1087 Dipsas discoides, Lea, China.
1087 a. plicatus, Leach, "

1105 a. Anodonta anatina, Lam., Europe.
1088 " arcuta, " Senegal.
1089 " Benedictensis, Lea, " Lake Champlain.
1090 " Chaiziana, Rang, " Senegal.
1091 " crassa, Swains., " Plata.
1092 " curvata, " Senegal.
1093 " eygea, Lam., " France.
1094 " cylindracea, Lea, " Senegal.
1095 " decora, " Ohio.
1096 " elongata, Swains., " South America.
1097 " exulcerata, Willa, " Italy.
1098 " Perussaciana, Lea, " Ohio.
1099 " fluviatilis, " New-York.
1098 " fragilis, Lam., " Ohio.
1100 " gibbosa, Say, Georgia.
1102 " grandis, " Missouri.
1104 a. " imbecillis, " "

Trans-Am. P. S. v. 6, pl. 5, f. 11.
Conrad's Monog. pl. 7.
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" v. 4, pl. 11, f. 20.
Conrad's Monog. pl. 22.
Trans. Am. P. S. v. 6, pl. 22, f. 69.
Trans. Am. P. S. v. 6, pl. 13, f. 38.
" v. 3, pl. 3, f. 1.
Sillim. Journ. vol. 6, pl. 13, f. 22.
Say's Amer. Conch. pl. 16.
Trans. Am. P. S. v. 5, pl. 17, f. 50.
Sillim. Journ. vol. 6, pl. 13, f. 21.
Sowb. Gen. f. 3.
Trans. Am. P. S. v. 5, pl. 11, f. 33.
" v. 3, pl. 14, f. 24.
Sowb. Gen. shells, f. 2.
Caill. Voy. à Méroé, pl. 61, f. 4, 5.
Swain's Zool. II. 1st ser. v. 3, pl. 167.
Drap. pl. 11, f. 6, pl. 12, f. 1.
" v. 6, pl. 39, f. 63.
Swain's Zool. III. 2d series, pl. 1.
" 1st ser. pl. 167.
Trans. Am. P. S. v. 5, pl. 6, f. 15.
Wood's Index, pl. 12, f. 35.
Anod. infata, Le Conte.
Anod. corpulenta, Cooper.
Trans. Am. P. S. v. 5, pl. 6, f. 16.
Anod. eygea, Lam.

1- loricatus, Say
2- Mortonii, Lea
3- orangius, Occidentis, Lea
**PLATIRIS.**

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* Pleiodon Macmurtriei, Conrad.
Order II.—Conchifera Unimusculosa.

TRIDACNEA.

1150 " elongata, " Indian Ocean. Encycol. pl. 233, f. 4.
1153 " mutica, " East Indies. Astron. pl. 80, f. 1-3.
1154 " serrifera, " Indian Ocean. Chemn. t. 7, pl. 49, f. 497.
1151 " squamosa, " East Indies. Astron. pl. 79, f. 1.
1158 HIPPOPSUS maculatus, Lam., East Indies. Astron. pl. 80, f. 5, 6.

MYTILACEA.

1164 MODIOLA Adriatica, Lam., Adriatic. Poli. pl. 33, f. 8.
1173 " barbata, " Sicily. " pl. 33, f. 6, 7.
1177 " cinnamomea, " Isle of France. Chemn. 8, t. 82, f. 751.
1175 " discors, " New Holland. Born. Mus. p. 121, Vig. f. D.
1174 " discrepans, " Mediterranean. Poli. t. 2, pl. 32, f. 15, 16.
1183 " lavigata, Quoy, New Guinea. Astron. pl. 78, f. 17, 18.
1163 a. " microptera, Desh., Coromandel. Chemn. t. 8, pl. 85, f. 760.
1167 " picta, " West Indies. Sowb. Gen. of Shells, f. 1.
1166 a. " striata, ? ?
1168 " sulcata, Lam., Indian Ocean. Chemn. 8, t. 81, f. 754.
1161 " tulipa, " West Indies. Sowb. Gen. of Shells, f. 5.

1211 " borealis, " New-York.
1192 a. " coelicaeus, ? ?
1215 " edulis, Linn., Seas of Europe. Favor. Conch. pl. 50, f. 01, 02.
1198 " elongatus, Chemn., Oran, Barbary. Chemn. 8, t. 83, f. 738.
1192 " exustus, " West Indies. Chemn. 8, t. 84, f. 754.
1223 " hamatus, [lis, Say, Mobile. Say's Amer. Conch. pl. 50.
1187 " Magellanicus, Lam., Cape Horn. Chemn. 8, t. 83, f. 742-3.
1191 a. " minimus, Poli, Mediterranea. Poli. pl. 32, f. 1.
1204 " opalus, Lam., Australia. List. Conch. t. 363, f. 204.
1194 " ovalis, " Peru. Encycl. pl. 219, f. 3, a. b.

1206 " perna, Lam., Oran. Knorr. Vergn. t. 4, f. 15, f. 4.
1205 " smaragdinus, Chemn., Indian Ocean. Chemn. 8, t. 83, f. 745.

1202 " ungulatus, Lam., Chili. D'Argenville, Conch. pl. 25, f. N.

1228 Pinna angustana, Lam., Mediterranean. Poli. pl. 34, f. 4.
1236 " dolabrata, " Australia. Chemn. 8, t. 90, f. 780.
1236 " flabellum, " Indian Ocean. D'Argenville, Conch. t. 22, f. F.
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| 1240 (Pinna) incurva, Linn., Nicobar. | Chemn. 8, t. 90, f. 778. |
| 1231 " marginata, Lam., East Indies. | Gauld test. t. 79, f. C. |
| 1232 " muriicata, Linn., South Carolina. | Ramph. Mus. t. 46, f. M. |
| 1239 " nigrina, Lam., Pacific. | Encycl. pl. 199, f. 1, a, b. |
| 1233 " pectinata, " New Holland. | Chemn. 8, t. 87, f. 779-1. |
| 1234 " sacca, Batavia. | Ramph. Mus. t. 46, f. N. |
| 1227 " semi-nuda, Lam., South Carolina. | Encycl. pl. 199, f. 4. |

**Mallacea**

| 1263 " vulsella, " | List. Conch. t. 199, f. 33. |

**Gervillia**

**Catillus**

**Inoceramus**

| 1273 " vulsellatus, " Red Sea. | Chemn. 8, t. 70, f. 657. |
| 1258 Avicula Atlantica, Lam., Atlantic. | Encycl. pl. 177, f. 9, 10. |
| 1291 " costellata, " East Indies. | pl. 177, f. 6. |
| 1286 " crocea, Isle of France. | Rumph. Mus. t. 46, f. G. |
| 1282 " litorium, " East Indies. | Chemn. 8, t. 81, f. 728. |
| 1281 " macroptera, " West Indies. | Knorr. Vergn. 6, t. 2. |
1293 " virens, " " New Holland. Chemn. 8, t. 80, f. 721, a. b.

PECTINIDA.

1307 " glacialis, " " West Indies. Chemn. 7, t. 68, f. 692.
1305 " inflata, " " " Poli. t. 2, pl. 28, f. 19–21.
1306 " squamosa, " " " Sowb. Gen. of Shells. f. 2.

PLAGIOSTOMA

1359 " aurantius, " Lam., Indian Ocean. Chemn. 7, t. 65, f. 618.
1377 " gigantea, " Wood, Pacific. Wood’s Ind. Sup. pl. 2, f. 7, Ostrea.
1331 " glaber, " Chemn., Mediterranean. Poli. t. 2, pl. 28, f. 11, 12.
1316 " medius, " Cherbourn. " " " " " " " "
1341 " nodosus, Lam., West Indies.
1322 " obliteratus, Lam., Indian Ocean.
1348 " opercularis, " British Channel.
1364 " ornatus, " Atlantic Ocean.
1342 " pallium, " East Indies.
1365 " pellucidus, " Mediterranean.
1343 " pes-felix, " "
1320 a. " pes-lutra, Linn., "
1321 a. « pleniceretes, " Indian Ocean.
1333 " plica, Lam., South Sea.
1325 " purpuratus, Lam., Sandwich Isles.
1327 " radula, " Atlantic.
1362 " sanguineus, " Indian Ocean.
1358 " senatorius, " East Indies.
1344 " tigris, [cus, " Indian Ocean.
1366 " Tranquebari-
1330 b. " tumidus, " Upper California.
1329 " turgitus, Lam., Atlantic Ocean.
1361 " varius, Penn., Tenby, G. B.
1319 " zig-zag, Chemn., Atlantic Ocean.
1380 a. Plicatula cristata, Lam., West Indies.
1379 " depressa, « "
1378 " ramosa, "
1386 Spondylus Americanus, Lam., West Indies.
1402 " aurantius, " China.
1395 " coccineus, " Indian Ocean.
1396 " crass-squama, " Seas of India.
1401 " croceus, Chemn., Indian Ocean.
1398 " ducalis, " East Indies.
1385 " geddaropus, Linn., Mediterranean.
1393 " rengius, " East Indies.
1397 " spatuliferus, Lam., Indian Ocean.
1406 " varius, "
1405 " violascens, Lam., New Holland.
1408 Podopsis truncata, Lam., Courtagnon.

Chenn. 7, t. 67, f. 635-6.
Grao. t. 99, f. C. D.
Chenn. 7, t. 66, f. 628-41.
Brooks' Int. pl. 4, f. 41.
Chenn. 7, t. 66, f. 625.
Sowb. Gen. of Shells, f. 4.
Poli. t. 2, pl. 38, f. 7.
" t. 2, pl. 28, f. 16.
List. pl. 171, f. 8.
Sowb. Gen. of Shells, f. 3.
D'Argen. t. 24, fig. C.
Lam. Anim. Sans. Vert. no. 11
Knorr. Vergn. 5, t. 9, f. 4.
Chenn. 7, t. 66, f. 638.
" 7, t. 65, f. 617.
" 7, t. 64, f. 608.
" 7, t. 67, f. 617.
Sowb. Gen. of Shells, f. 1.
Poli. t. 2, pl. 28, f. 10.
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Grao. t. 104, f. P.
Sowb. Gen. of Shells, f. 1, 2.
Encycl. pl. 195, f. 1, 2.
Sowb. Gen. of Shells, f. 1, 2.
Grao. t. 99, f. E. F.
Encycl. pl. 192, f. 2.
" pl. 191, f. 4.
Sowb. Gen. of Shells, f. 4.
Encycl. pl. 190, f. 1, a. b.
" pl. 193, f. 1.
" pl. 194, f. 4, 6, 7.
Encycl. pl. 188, f. 6, 7.
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<td>&quot; t. 6, f. 9, 10.</td>
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<td>Encycl. pl. 188, f. 4, 5.</td>
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<td>Encycl. pl. 174, f. 2.</td>
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<td>Brooks' Int. pl. 4, f. 46.</td>
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<td>Encycl. pl. 170, f. 4, 5.</td>
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Sphærulites
Radiolites


Birostrites

Discina

1497 Crania personata, Lam., Mediterranean. Encycl. pl. 171, f. 1, 2.

BRACHIOPODA.

1500 Orbicula Cumingii, Brod., Chili. Trans. Z. S. t. 1, 2d pt. pl. 38, f. 1.
1500 a. " lamellosa, " Peru. " " " " pl. 38, f. 2-5.

1507 " dentata, " New Holland.
1508 " dorsata, " South Sea.
1506 " flavescens, " Java.
1503 " pisum, Lam., Isle of France.
1512 " psittacea, " Newfoundland.
1509 " sanguinea, " New Zealand.
1511 " truncata, Lam., Norway.
1501 " vitrea, " Mediterranean.

Productus

TWELFTH CLASS.

MOLLUSCA.

Order I.

PTEROPODA.

1526 Cleodora caudata, Lam., Sicily.

Limacina


Pneumodermon

Order II.—Gasteropoda.

SECTION I.—HYDROBRANCHIÆ.

TRITONIANA.

1537 " Cuvieri, Lam., Boulogne. Encycl. pl. 82, f. 12.
1541 " peregrina, Lam., Mediterranean. Encycl. pl. 85, f. 4.
Tritonia

1547

1548 Scyllæa

Tethys

1554 Doris

1557

tuberculata, Cuv., Seas of Europe. Planc. Conch. p. 105, t. 5, f. g, h.

PHYLIDIANA.

Phyllidia

Chitonellus

7 b. Chiton

armatus, Nuttall, Upper California.

17

armatus, Nuttall, Upper California.


20 c. " Californicus, Nuttall, Upper California.


5 " fascicularis, " " Seas of Europe. Sowb. Gen. of Shells, f. 3.


8 b. " incarnatus, Nuttall, Upper California.

42 a. " inornatus, " " Sandwich Isles.


6 " marginatus, Pemt., Sandwich, G. B. Penat. B. Zool. 4, t. 36, f. 2.


4 " spinosus, Brug., South Seas.


7 " sulcatus, Quoy, New Holland. " " f. 2.

9 b. " textilis, Nuttall, Upper California.

1573 a. Patella


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1640 c. " biradiata, Frembl., Peru. " " " " f. 23, 52.
1641 " Cayenensis, Lam., Cayenne. " " " " f. 7.
1638 " crassa, " Pacific. " " " " f. 9, 11.
1640 b. " crenifera, Sowb., " " " " f. 73.
1639 a. " græca, Lam., St. Thomas. " " " " f. 3.
1647 " hiantiula, " Cape Good Hope. Born. Mus. p. 414, Vign. fig. F.
1646 a. " limbata, Sowb., " " " " f. 30.
1637 " nimboza, Lam., West Indies. " " " " f. 2.
1640 " nodosa, " Barbadoes. " " " " f. 1.
1611 a. " obscura, Sowb., Galapagos Isles. " " " " f. 27.
1636 a. " oriens, " Valparaiso. " " " " f. 25, 60.
1644 a. " pica, Nuttall, Upper California.
1648 " pastula, " Porto Rico. " " " " f. 20.
1645 " radiata, " West Indies. " " " " f. 62, 64.
1642 a. " subtornuda, Desh., Chili. " " " " f. 41.
1638 a. " virescens, Sowb., Panama. " " " " f. 37.
1659 " intorta, Lam., " Fav. Conch. pl. 4, f. B.
1660 c. " cornucopiae, " " " " f. 4062-3.
1664 " equestris, " Indian Ocean. Sowb. Gen. of Shells, f. 2.
1662 " extinctorium; " West Indies. Blain. Malac. pl. 48, f. 8.
1661 b. " radius, Desh., " " " " Sch. et Wag. pl. 229, f. 4063.
1661 " rugosa, " " " " Brod. Trans. S. Z. t. 1, pl. 97, f. 8.

* This shell was brought from Sta. Diego, Upper California, by Col. Nuttall.
1662 b. (Calyptrea) spinosa, Sowb., Chili.
1665 a. striata, Say, Rhode Island.
1665 tectum-sinense, Lam., South Seas.
1663 b. umbrella, Desh., Guatemala.

1669 Crepidula aculeata, Sowb. Gen. of Shells, f. 4 et 7.
1671 a. convexa, Say, Plymouth, Mass.
1671 dilatata, Lam., Magellan.
1668 b. exuvia, Nuttall, Upper California.
1672 a. f oliacea, Brod., Peru.
1667 fornicata, Lam., Atlantic Ocean.
1669 a. glauca, Say, Rhode Island.
1669 b. navicelloides, Nuttall, Upper California.
1670 b. patula, Desh., Chili.
1672 Peruviana, Lam., Peru.
1673 plana, Say, New-York.
1668 porcellana, Lam., Indian Ocean.
1667 b. rugosa, Nuttall, Upper California.
1673 a. squamosa, Brod., Chili.
1671 b. strigata, Lam., Mediterranean.
1670 unguiformis, Muller, France.

1675 Ancylus fluviatilis, Sowb. Gen. of Shells, f. 1.
1674 lacustris, Say, Ohio.
1677 rivularis, Sowb. Gen. of Shells, f. 1.

B U L L E A N A .

Acera
1680 Bullea aperta, Lam., England.
1683 Bulla amputa, Linn., India.
1688 a. aplustra, " East Indies.
1687 a. australis, Quoy, New Holland.
1690 brevis, " " "
1686 a. Californica, Nuttall, California.
1690 eorna, Lam., England.
1691 a. cylindracea, Penn., "
1687 fasciata, Brug., Manilla.
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1689 " hydatis, Linn., " " " Poli. pl. 46, f. 28.
1685 " naucum, " " " Manilla. List. Conch. t. 714, f. 73.
1684 " striata, " " " Poli. pl. 46, f. 17, 18.

LAPYSIANA.

1697 " punctata, Cuv., " " " " pl. 18, f. 2-4.
1700 Dolabella fragilis, Lam., Mediterranean. Lapsisia depilans, Linn.,

SECTION II.—PNEUMOBRANCHIAE.

LYMACIANA.

1707 " salicium, Bouillet, " Bouillet Cat. page 18.
1711 " Mangei, Fer., Bristol, G. B. " " " pl. 8, f. 12-15.
1712 b. *Vitrina* atrovirens, Moric., Brazil.
1712 " pellucida, " "
1713 a. " subglobosa, Mich., "
1712 " atrovirens, Moric., Brazil.
1712 " pellucida, " "
1713 a. " subglobosa, Mich., "

**Order III.—Trachelipoda.**

**Section 1.—Trachelipoda Phytiphaga.**

**Colimacea.**

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ligera, Say, Ohio.
limata, Lam., Porto Rico.
lineolata, Lam., Clermont Fel.
linguifera, Lam., Antilles.
lucana, Fer., Ohio.
lucida, Drap., Tiger Bay.
lutescens, Drap., Clermont Fel.
maculosa, Born, Galicie.
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major, Binney, South Carolina.
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marmorata, Fer., Spain.
mazzuli, Jan., Sicily.
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metaformis, Fer., East Indies.
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mirabilis, Fer., East Indies.
monodon, Fer., France.
monozonalis, Lam., East Indies.
Morea, Fer., Greece.
multilineata, Say, Ohio.
muralis, Mull., Sicily.
muscarum, Lea, Cuba.
mutabilis, Parry, Albania.
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Fer. Hist. des Moll. pl. 69, f. 6.
Fer. Hist. des Moll. pl. 38, f. 11, 12.
Fer. Hist. des Moll. pl. 73 A, f. 3.
Fer. Hist. des Moll. pl. 6, f. 29.
Fer. Hist. des Moll. pl. 50, f. 10.
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Fer. Hist. des Moll. pl. 46 A, f. 3.
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Encycl. pl. 463, f. 6, a, b.
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1755 (Helix)
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1743 b. 
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1827 a. 
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Helix lactea, Mull., Spain.
Helix Peruviana, Lam.
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Drap. Moll. pl. 7, f. 5.
" " " pl. 10, f. 4, a. b.
Fer. Hist. des Moll. pl. 21 et 24, f. 2.
Fer. Hist. des Moll. pl. 70, f. 4.
Drap. Moll. pl. 7, f. 30-32.
" " " pl. 48, f. 3.
" " " pl. 46, f. 1, 2.
Trans. Am. P. S. v. 5, pl. 19, f. 60.
Fer. Hist. des Moll. pl. 80, f. 1.
Drap. Moll. pl. 6, f. 6.
Spix. Test. B. pl. 16, f. 1, 2.
Fer. Hist. des Moll. pl. 69, f. 5.
Helix corisoptensis, Desh.
Payr. Cat. pl. 5, f. 7, 8.
Mich. Comp. à Drap. pl. 15, f. 6-8.
Helix profunda, Say.
Helix pisana, Mull.
Dillw. Cat. t. 2, p. 921.
Fer. Hist. des Moll. pl. 79, f. 2-5.
Helix galbella, Drap.
Fer. Hist. des Moll. pl. 80, f. 2, 3.
" " " pl. 109, f. 1-3.
Wood’s Ind. Suppl. pl. 7, f. 34.
Helix alternata, Say.
Turt. Manuel, fig. 48.
<table>
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<th>Author</th>
<th>Location</th>
<th>Notes</th>
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<tr>
<td>1719</td>
<td>&quot; septemvolva, serpentina, Fer.</td>
<td>Italy.</td>
<td>&quot; &quot; &quot; pl. 40, f. 7.</td>
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<td>1782</td>
<td>&quot; setiger, Zgl.</td>
<td>Sicily.</td>
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<td>1785</td>
<td>b. setosa, &quot; Sicily.</td>
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<td>1715</td>
<td>a. sicula, Fer.</td>
<td>Brazil.</td>
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<tr>
<td>1742</td>
<td>d. similaris, Mull.</td>
<td>Antilles.</td>
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<td>1769</td>
<td>&quot; sinuata, Gmel.</td>
<td>&quot;</td>
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<td>1737</td>
<td>a. sinuosa, Say, Ohio.</td>
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<td>1828</td>
<td>a. solitaria, Mich., Oran, Africa.</td>
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<td>1798</td>
<td>b. soluta, Nobis, East Indies.</td>
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<td>1773</td>
<td>b. speciosa, Turt., England.</td>
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<td>1741</td>
<td>b. spinulosa, Drap., France.</td>
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<td>1781</td>
<td>&quot; splendid, ? squamatina, Drap., France.</td>
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<td>1733</td>
<td>d. striata, Mull.</td>
<td>Switzerland.</td>
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<td>1808</td>
<td>&quot; strigata, Drap.</td>
<td>France.</td>
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<td>1808</td>
<td>b. &quot;</td>
<td>Massachusetts.</td>
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<td>1759</td>
<td>b. subglobosa, Binney, Greece.</td>
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<td>1725</td>
<td>c. subrostrata, Donn., France.</td>
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<td>1779</td>
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<td>France.</td>
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<td>1726</td>
<td>a. tecta, Zieg,</td>
<td>Moravia.</td>
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<td>1834</td>
<td>&quot; thyroidus, Say, New-York.</td>
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<td>c. tiarella, Webb, Teneriffe.</td>
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<td>1807</td>
<td>b. tigrina, Crist, Italy.</td>
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<td>1778</td>
<td>b. Townsendiana, Lea, Columbia River.</td>
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<td>1774</td>
<td>d. Tranquebarica,</td>
<td>India.</td>
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<td>1827</td>
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<td>b. trochiformis, Mont., England.</td>
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<td>1763</td>
<td>b. tumularum, Webb, Teneriffe.</td>
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<td>1812</td>
<td>b. umbrosa, Pfeiff, Austria.</td>
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<td>b. undata, Lowe, Madeira.</td>
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<td>&quot; undulata, &quot; Fer., Antilles.</td>
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<td>1751</td>
<td>d. unguicula, &quot; East Indies.</td>
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<td>1748</td>
<td>&quot; unguilina, Linna., Java.</td>
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1751 (Helix)
1748 d. "
1774 b. "
1784 "
1729 "
1731 "
1765 "
1720 "
1749 b. "
1730 b. "
1766 a. "
1773 "
1742 d. "
1773 b. "
1731 d. "
1796 b. "
1814 b. "
1756 "
1767 "
1836 Caracolla
1852 "
1837 "
1838 "
1841 "
1833 "
1820 "
1839 "
1851 "
1840 "
1847 "
1845 "
1846 "
1848 "
1843 b. "
1843 a. "
1858 Anostoma
1863 a. Helicina

unidentata, Drap., Austria.
variabilis, Drap., Germany.
vermiculata, Born, Antilles.
versicolor, Born, Austria.
verticillus, Lam., Madagascar.
vesicalis, Drap., Switzerland.
viridis, Desh., Madagascar.
vittata, Muller, Ceylon.
waldiana, Lea, Ohio.
Webbiana, Lowe, Madeira.
Xartartii, Fariu, Pyrenees.
zaferina, Webb, Oran, Africa.
zelata, Say, Ohio.
zonaria, Linnaeus, East Indies.
zonata, Muller, Austria.

1836 Caracolla
acutissima, Lam., West Indies.
albella, Lea, France.
albilabris, Muller, West Indies.
angistoma, Muller, France.
carmelita, ?
elegans, ?
Gualteriana, Lam., Spain.
inflata, Lam., Portugal.
labyrinthus, Drap., South America.
lapicida, Lam., Europe.
lucerna, Muller, St. Domingo.
lychnus, Lam., Jamaica.
Madagascarien-
marginata, Lam., Madagascar.
planata, Born, St. Croix.
plicata, Born, Sicily.
pyrostoma, Fer., Panama.
spinosa, Lea, India.
aureola, Lam., South America.

Fer., Jamaica.
Fer., Helix monodon, Fer.
Trans. Am. P. S. v. 6, pl. 33, f. 72.
Drap. Moll. pl. 5, f. 11, 12.
" " " pl. 17, f. 1-3.
" " " pl. 50, f. 8, 9.
" " " pl. 10, f. 3, a-b-c.
Drap. Moll. pl. 7, f. 18, 19.

Helix variabilis, Drap.
Chemn. t. 9, pl. 122, f. 1055-6.
" t. 9, pl. 133, f. 1190-2.
Trans. Am. P. S. v. 6, pl. 23, f. 52.
Fer. Hist. des Moll. pl. 71 et 72.
Fer. Hist. des Moll. pl. 57, f. 3.
Drap. Moll. pl. 6, f. 25-27.
" " " pl. 60, f. 1.
" " " pl. 32, f. 4.
Drap. Moll. pl. 5, f. 1, 2.
Chemn. t. 9, pl. 126, f. 1100, 1101.
Fer. Hist. des Moll. pl. 51 B, f. 2-5.
" " " pl. 66, f. 6.
Chemn. t. 9, pl. 126, f. 1108-9.
" " " pl. 25, f. 5, 6.
" " " pl. 63, f. 3-6, 9, 10.
" " " pl. 30, f. 2.
" " " pl. 94 B, f. 1.
" " " pl. 13, f. 3, 4.
Trans. Am. P. S. v. 4, pl. 15, f. 35.
Fer. Hist. des Moll. pl. 53, f. 3-5.
BROWNII, Lea, Porto Rico.
Gray, Lam., Say, Ohio.
lutea., Say, Mexico.
obriculata, Say, Java.
picta, Sloanii, Lea, India.
pulcherrina, substriata, Gray, Ohio.
Sloanii, Say, Ohio.
sturiata, Say, Pyrenees.

1870 a. PUPA
armifer a, Say, France.
avena, Drap., Cuba.
chrysalis, Drap., France.
cineraria, Boub., Pyrenees.
clasioioides, Say, Ohio.
corticaria, Mich., Pyrenees.
cylindrica, cylindrus, Desh., Jamaica.
dentata, Drap., Jura.
doliolum, Terver, " France.
dolium, Terver, " France.

1871 b. Dupotetii, ether, Spix, Brazil.
edventula, Terver, " France.
elatior, Say, Ohio.
exigua, Desm., Pyrenees.

1873 a. Farenesi, Drap., Trieste.
fragilis, Lam., Italy.
frumentum, Ziegl., Germany.
gastrodes, Germainica, Lam., Drap., France.

1888 a. Germanica, Lam., Germany.
granum, Drap., France.
hordeum, Crist., Austria.
inflata, Wagner, Brazil.
Koeckili, Rossmu., Styria.
marginata, Drap., France.
megaclharios, Terver, Bougie.
michaudii, Andr., Galicia.

1861 a. (Helicina)
1864 a. costata, Lam., Porto Rico.

1866 a. fasciata, Say, Ohio.
orbiculata, Say, Mexico.

1880 c. Goodallii, Drap., France.
hordeum, Crist., Italy.
inflata, Wagner, Brazil.
Koeckili, Rossmu., Styria.
marginata, Drap., France.
megaclharios, Terver, Bougie.
michaudii, Andr., Galicia.
mumia, Lam., Antilles.
muscorum, France.

Zool. Journ. pi. 6, f. 6.
Zool. Journ. pi. 6, f. 4.
Say’s Amer. Conch. pi. 46.
Zool. Journ. pi. 6, f. 6.
Chemn. xi. t. 906, f. 2061-2.
Drap. Moll. pl. 3, f. 41, 42.
Drap. Moll. pl. 3, f. 43.

Drap. Moll. pl. 4, f. 4.
Pupa muscorum, Lam.
Blain. Malac. pl. 38, f. 5.
Drap. pl. 3, f. 36-8.
1870 b. (Pupa)
1874 a. "
1867 a. "
1875 a. "
1884 "
1879 a. "
1881 a. "
1883 "
1867 b. "
1887 "
1878 a. "
1880 a. "
1869 "
1882 "
1873 "
1869 b. "
1892 "
1868 "
1885 "
1880 a. "
1875 "
1901 a. Clausilia
1909 d. "
1898 c. "
1909 a. "
1899 a. "
1907 b. "
1904 d. "
1906 a. "
1908 b. "
1899 c. "
1905 "
1909 a. "
1903 b. "
1903 b. "
1909 "
1901 c. "
1900 a. "
1907 a. "
1905 a. "
nana, Mich., Lyons.
ovata, Say, Ohio.
pagodus, Fer., Isle of France.
peutiodon, Say, Ohio.
polyodon, Drap., France.
pygmaea, " Bordeaux.
Pyrenearia, Mich., Pyrenees.
quadridens, Drap., France.
5-dentata, Rossii, Dalmatia.
secale, Drap., Austria.
sexdentata, Wagner, Brazil.
striata, " Para.
sulcata, Lam., East Indies.
tridentis, Drap., France.
tridentalis, Mich., Lyons.
Tournefortiana Ferr., Levant.
umbilicata, Lam., Kent, G. B.
ula, Drap., West Indies.
variabilis, Drap., France.
vertigo, " Auvergne.
zebra, Lam., Dalmatia.
albo-guttulata, Wagn., Martinique.
antiper versa, Fer., Tyrol.
Bergerii, Braun, Porto Rico.
bicanalculata, Fer., France.
bindens, Drap., Dalmatia.
blanda, Ziegler, 
Braunii, Charp., Greece.
cerula, Fer., Dalmatia.
catarvensis, Rossii, Moravia.
cerata, Fer., Barbadoes.
collaris, Lam., Porto Rico.
costulata, Menke, Italy.
crenata, Meg., Smyrna.
cretensis, Partsch, Naples.
Dalmatina, Rossii, Tyrol.
densestriata, Drap., France.
dubia, " Dalmatia.
exara, Ziegler, Brazil.
exesa, Spix, 14
Sowb. Gen. of Shells, f. 1.
" " pl. 235, f. 4125.
Drap. Moll. pl. 4, f. 3.
Pupa cinerea, Drap. ?
Spix. Test. Bras. tab. 11, f. 3.
" " tab. 11, f. 2.
Chemn. 9, t. 135, f. 1231, 1232.
Turton's Manuel, f. 78. 2413.
" " pl. 235, f. 4120.
" " pl. 235, f. 4126.
Bowd. Elem. of Conch. pl. 12, f. 8.
Fer. Hist. des Moll. pl. 163, f. 5, 6.
Clausilia tridens, Chemn.
Drap. Moll. pl. 4, f. 5-7.
Rossm. Icon. t. 2, pl. 7, f. 99.
" " t. 2, pl. 7, f. 100.
Fer. Hist. des Moll. pl. 163, f. 7.
Clausilia tridens, Chemn.
Helix crenata, Fer.
Rossm. Icon. t. 2, pl. 7, f. 98.
Drap. Moll. pl. 4, f. 10.
Rossm. Icon. pl. 7, f. 108.
1903 c. (Clauulia) fallax, Ziegler, Moravia.
1902 c. " fimbriata, Mühl, Croatia.
1904 c. " formosa, Ziegler, Dalmatia.
1901 e. " Gargantua, Fer., Brazil.
1905 c. " gastrolepta, Ziegler, Dalmatia.
1907 d. " granatina, ?
1906 c. " grossa, Ziegler, Illyria.
1907 c. " irregularis, " Italy.
1905 d. " lavissima, " Dalmatia.
1900 d. " lamellosa, Rossm., "
1899 b. " Macarana, Ziegler, "
1899 e. " Menkiana, ?
1900 c. " minima, Pfeiff, Hessie.
1909 b. " obtusa, Pfeiff, Germany.
1905 d. " ornata, Ziegler, ?
1901 b. " pachygaster, Partsch, Dalmatia.
1906 " papillaris, Drap., France.
1908 c. " Parreysi, ?
1898 a. " parvula, Stud.,
1901 a. " plicata, Drap., Germany.
1907 " plicatula, " France.
1905 b. " punctata, Mich., "
1898 e. " punctatissima, ?
1898 b. " popoidea, Spix, Brazil.
1909 c. " reflexa, ?
1903 d. " Rugaussensis, Meg., Dalmatia.
1908 " rugosa, Drap., France.
1897 d. " semirugata, Ziegler, ?
1902 a. " solida, Drap., Lyons.
1898 d. " stigma, Ziegler, ?
1906 d. " strigilata, Mühl., Italy.
1899 d. " sublevis, ?
1900 d. " sulcosa, Rossm., Dalmatia.
1901 d. " ungulata, Ziegler, ?
1897 a. " ventricosa, Drap., Germany.
1904 b. " virgata, Crist., Italy.

Rossm. Icon. pl. 7, f. 111.
Fer. Hist. des Moll. pl. 163, f. 2.

Rossm. Icon. pl. 7, f. 112.
Rossm. Icon. t. 5, pl. 7, f. 97.

Clausilia dubia, Drap.
Rossm. Icon. pl. 7, f. 103.

Clausilia minima, Pfeiff.
Drap. Moll. pl. 4, f. 17, 18.

Pupa inflata, Wagn.
Drap. Moll. pl. 4, f. 8, 9.
Rossm. Icon. pl. 7, f. 110.

Clausilia lamellosa, Wagn. Chemn. 9, t. 112, f. 957.
<table>
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<th>Year</th>
<th>Author</th>
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<th>Subspecies</th>
<th>Location</th>
<th>Comments</th>
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<tr>
<td>1945</td>
<td>Bulimus</td>
<td>affinis</td>
<td>Brod.,</td>
<td>Peru.</td>
<td>&quot; &quot; f. 32.</td>
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<td>1940</td>
<td>Bulimus</td>
<td>albicans</td>
<td>&quot;</td>
<td>Huasco, Chili.</td>
<td>&quot; &quot; f. 32.</td>
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<td>1910</td>
<td>Bulimus</td>
<td>&quot; var.</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot; &quot; f. 32.</td>
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<td>1928</td>
<td>Bulimus</td>
<td>albus</td>
<td>Sowb.,</td>
<td>Copiapo, &quot;</td>
<td>&quot; &quot; f. 51.</td>
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<td>1927</td>
<td>Bulimus</td>
<td>auris-muris</td>
<td>Moric.,</td>
<td>&quot;</td>
<td>Zeol. Jour. t. 5, pl. sup. 49, f. 1, 2.</td>
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<td>1949</td>
<td>Bulimus</td>
<td>bilineatus</td>
<td>Sowb.,</td>
<td>Columbia.</td>
<td>&quot; &quot; f. 1, 1.*</td>
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<td>Bulimus</td>
<td>Broderiipi</td>
<td>Sowb.,</td>
<td>Chili.</td>
<td>&quot; &quot; f. 1, 1.*</td>
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<td>&quot;</td>
<td>&quot;</td>
<td>&quot; &quot; f. 2.</td>
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<td>Chilensis</td>
<td>&quot;</td>
<td>Coquimbo.</td>
<td>Chemn. 9, t. 110, f. 929-931.</td>
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<td>1916</td>
<td>Bulimus</td>
<td>&quot; var. a.</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Desc. Exp. de Mor. Z. pl. 19, f. 11, 12.</td>
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<td>1917</td>
<td>Bulimus</td>
<td>&quot; var. b.</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Sowb. Conch. Illus. f. 3. [7-11.}</td>
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<td>1937</td>
<td>Bulimus</td>
<td>decorata</td>
<td>Fer.,</td>
<td>India.</td>
<td>&quot; &quot; f. 52.</td>
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<td>1949</td>
<td>Bulimus</td>
<td>Dufresnii</td>
<td>Leach,</td>
<td>New Holland.</td>
<td>&quot; &quot; f. 50.</td>
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<td>1919</td>
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<td>fraterculus</td>
<td>Fer.,</td>
<td>Guadaloupe.</td>
<td>Encycl. pl. 460, f. 4, a. b.</td>
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<td>1918</td>
<td>Bulimus</td>
<td>Gravesii</td>
<td>King,</td>
<td>Peru.</td>
<td>&quot;</td>
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<td>1947</td>
<td>Bulimus</td>
<td>&quot; var. a.</td>
<td>&quot;</td>
<td>Conception.</td>
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</table>
1948 b. (Bulimus)
1931  
1911  
1942 c.  
1936 b.  
1922 b.  
1911 b.  
1936 c.  
1924  
1947  
1945  
1914 c.  
1929 a.  
1930 b.  
1911 a.  
1943  
1928 c.  
1911 c.  
1932 c.  
1921 c.  
1933 c.  
1938 a.  
1941  
1943 b.  
1933  
1935 a.  
1914 a.  
1924 a.  
1913 b.  
1936 b.  
1936  
1910  
1943 a.  
1911 a.  
1913 c.  
1921 a.  
1941 c.  
1922  
1942 b.  
1944 c.  

Gravesii, var. b. King,  
Guadalupensis, Brug.,  
hæmastomus, Scop.,  
heterotrichus, Moric.,  
hordeaceus, Brug.,  
Jacobi, Sowb.  
Javanicus,  
Jennottii,  
Kambeul,  
Kingii,  
lævus,  
Laurentii,  
lemnisceus, Desh.,  
lemonicus, Sowb.,  
Lita,  
lubricus,  
limnoideis,  
Lyonetianus, Lam.,  
maritimus,  
melanostomus, Swains.,  
melo,  
modestus,  
montanus,  
multicolor,  
multifasciatus,  
mutilabilis,  
mutilatus,  
nitidus,  
Nux,  
obscursus,  
octonus,  
ovatus,  
Panamensis,  
papyracea,  
" var.  
—pudicus, Mull.,  
—pentagruelinus, Moric.,  
—Peruvianus, Lam.,  
—phasianellus, Humb.,  
—planidens, Michel.,  
Quilliotta.  
Guadaloupe.  
Rio Janeiro.  
Brazil.  
France.  
Gallapagoes.  
Java.  
Bougie.  
Senegal.  
New Holland.  
Amboyna.  
Isl. St. Lorenzo.  
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Brazial.  
Europe.  
Martinique.  
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Bulimus picturata, Fer.  
Sowb. Conch. Illust. f. 15.  
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Sowb. Conch. Illust. f. 2.  
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Bulimus bordeaceus, Drap.  
Chenn. 9, t. 136, f. 1641.  
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Bulimus Lita, Fer.  
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Moric. Mém.de Gen.t. 6, pl.1,f.7.  
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1956 " bicarinata, Fer., Sierra Leone.
1970 " columnaris, Lam., Africa.
1963 " folliculus, ?
1963 a. " lamellata, Lam., West Indies.
1965 " leucoxonia, Walsh, Martinique.
1957 " Mauritiana, Lam., Mauritius.
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1951 " perdix, Lam., Africa.
1971 " pulchra, Linn., Africa.
1954 " purpurea, Lam., Mic.
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1960 " vexillum, Lam., "
1961 " virginea, Lam., "
1970 b. " decora, Fer., "
1969 b. " pallida, Nuttall, "
1974 b. " spirizona, Fer., "
1973 " Stewartii, Nuttall, "
1972 b. " turbinata, "
1974 a. " obliqua, "
1974 " oblonga, Drap., Auvergne.
1977 " ovalis, Say, Ohio.
1986 Auricula bovina, Brug., Brazil.
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| Drap. | Moll. pl. t. 1, f. 5 et 7. | | |
| Encycl. | pl. 461, f. 6, a. b. | | |
| Variety of C. voilulus. | | | |
| Chemn. xi. pl. 299, f. 2057-2058. | | | |
| Encycl. | pl. 461, f. 2, a. b. | | |
2030 (Cyclostoma) maculatum, Drap., Lyons.
2032 " marginata, Say, Ohio.
2026 " patulum, " France.
2000 " planorbula, Lam., Senegal. ?
2003 " sulcatum, Drap., France.
2033 " translucidum, ? South America.
2027 " truncatulum, Drap., France.
2004 " uncarinata, Lam., "

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2037 a. Planorbis albus, Mull., France.
2047 a. " bicarinatus, "
2035 b. " Brazilian, ? Brazil.
2037 " carinatus, Mull., France.
2043 " contortus, Mull., "
2036 " cornus, Lam., "
2035 " cornu-arietis, "
2038 b. " cornu-amonis, Fritz, Austria.
2036 a. " cristatus, Drap., France.
2046 a. " deflexus, Say, Ohio.
2039 a. " exaucusus, Spix, Brazil.
2036 b. " ferruginus, Guadalupensis, Sowb., Cayenne.
2041 a. " hispidus, Drap., France.
2044 " imbricatus, Mull., "
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" pl. 461, f. 5, a. b.
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2045 " orientalis, Say, New-York.
2040 " parvus, Mull., Lyons.
2047 " spiorbis, Say, New-York.
2041 " trivolvis, Mull., France.
2061 Physa acuta, Drap., Lyons.
2060 b. " aurea, Lea, Virginia.
2056 " castanea, Lam., Garonne.
2060 a. " elliptica, Lea, Ohio.
2057 " fonninalis, Drap., France.
2060 " gynina, Say, New-York.
2058 " hypnorum, Drap., France.
2068 " africana, Drap., France.
2071 a. " catascopium, Say, River Delaware.
2068 a. " desidiosa, " " vol. 55, f. 2.
2076 " elodes, " " pl. 31, f. 3.
2065 a. " fusca, Pfeif., Germany.
2071 " intermedia, Fer., France.
2072 " leucostoma, Lam., Cornwall.
2070 " megasoma, Say, France.
2073 " minuta, Drap., Moravia.
2069 " ovata, Drap., France.
2064 " palustris, " " pl. 2, f. 42.
2070 " peregra, " " pl. 2, f. 34.
2075 " reflexus, Say, New-York.
2067 b. " rugatus, Ziegler, Dalmatia.
2068 b. " siculus, Parrey, Sicily.
2063 " stagnalis, Lam., France.
2069 b. " striatus, Parrey, Sicily.
2074 " umbrosus, Say, Ohio.
2074 Drap. Moll. pl. 2, f. 20–23.
Planorbis ferrugineus, Spix.
2058 Drap. Moll. pl. 2, f. 6, 7.
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2037 " " " pl. 55, f. 3.
2040 " " " pl. 31, f. 3.
2047 " " Mont. Test. B. pl. 16, f. 7.
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2039 " " Mich. Comp. à Drap. pl. 16, f. 17, 18.
2037 " " Drap. Moll. pl. 3, f. 5–7.
2047 " " " " pl. 2, f. 40, 42.
2041 " " " " pl. 2, f. 34–37.
2045 " " Say's Amer. Conch. pl. 31, f. 2.
2041 " " Sowerby's Genera of Shells, f. 1.
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<td>Wood's Index, Supp. pl. 4, f. 24.</td>
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<td>Trans. Am. P. S. v. 6, pl. 23, f. 86.</td>
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<td>Trans. Am. P. S. v. 4, pl. 15, f. 31.</td>
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<td>Say,</td>
<td>Ohio.</td>
<td>Ward's Letter.</td>
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PERISTOMIANA.

2111 Valvata piscinalis, Fer., France.
2112 planorbis, Drap., Switzerland.
2111 a. spirorbis,Say, New-York.
2112 a. tricarinata,Mich., Jura.
2124 b. Paludina abbreviata, Lam., Rochelle.
2115 achatina, Desh., Montpelier.
2115 b. acuta, Ravenel, Santee Canal.
2118 altalis, Desh., France.
2115 c. anatina, Charp., Rome.
2113 b. bicarinata, Mich., Lyons.
2118 bulimoidea, ? India.
2122 costata, Parrey., Hungary.
2114 c. cylindrica, Say, Ohio.
2116 decisa, " "
2124 dissimilis, Swains., Ohio.
2123 elongata, Ziegbl., Moravia.
2117 crosa, Desm., France.
2121 b. Ferrussia, " "
2121 gibba, Say, Ohio.
2116 grana, Lam., France.
2124 Say, Ohio.
2120 a. impura, " "
2120 integra, " "
2118 limosa, " "
2120 c. magna, Conrad, Georgia.
2113 b. marginata, Parrey., Croatia.
2118 c. miliaris, " "
2118 b. multicarinata, Caill., Syria.
2119 muriatica, Lam., France.
2119 b. naticoides, Per., Germany.
2121 ponderosa, Say, Ohio.
2114 porata, " "
2114 c. pyramidalis, Crist., Italy.
2119 e. similis, Mich., Montpelier.
2114 b. subcarinata, Say, Ohio.
2113 a. unicolor, Lam., Egypt.
2117 Sowb. Gen. of Shells, f. 1.
2112 Drap. Moll. pl. 1, f. 34, 35.
2111 a. " pl. 1, f. 33, 33.
2112 Sowb. Gen. of Shells, f. 2.
2111 Drap. Comp. à Drap. pl. 15, f. 52, 53.
2112 Encycl. pl. 458, f. 1, a, b.
2111 Drap. Moll. pl. 1, f. 23.
2115 Mich. Comp. à Drap. pl. 15, f. 48, 49.
2115 Mich. Comp. à Drap. pl. 16, f. 54, 55.
2117 Say’s Am. Conch. pl. 10, f. 1.
2117 Mich. Comp. à Drap. pl. 15, f. 56, 57.
2113 Drap. Moll. pl. 13, f. 4-6.
2118 Desp. Moll. pl. 1, f. 19.
2119 Conrad’s F. W. Shells, pl. 8, f. 4.
2119 Mich. Comp. à Drap. pl. 15, f. 58, 59.
2119 Caill. Voy. à Méroé, pl. 60, f. 6.
2119 Say’s Amer. Conch. pl. 30, f. 1.
2121 Paludina achatina, Lam.
2119 Caill. Voy. à Méroé, t. 2, pl. 60, f. 7.
2114 " vivipara, " France.
2133 Ampullaria avellana, Lam., New Zealand. Say's Am. Conch. pl. 10, fig. 2.
2125 b. " corrugata, Swain., India. Swain. Zool. Ill. t. 3, pl. 120.
2129 " effusa, Lam., Guadaloupe. Chemn. 9, t. 128, f. 1133-1135.
2137 " fasciata, " West Indies. Sowb. Gen. of Shells, f. 5.
2130 a. " ovata, Oliv., Egypt. Figured—pl. 3, fig. 7.
2126 " rugosa, Lam., West Indies.
2145 " fluviatilis, Gray, " " " f. 5.
2146 " major, Sowb., " " " f. 10.

| NERITACEA |

2143 " lineata, " India. Encycl. pl. 456, f. 2, a. b.
2164 a. Neritina atra, Nuttall, Sandwich Isles.
2160 " auriculata, Lam., New Holland. Encycl. pl. 455, f. 6, a. b.
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2227 (Natica) maroehiensis, Lam., Guyana.
2207 " melanostoma, " Indian Ocean.
2203 a. " melanostomoides, Quoy, New Guinea.
2214 " millepunctata, Lam., Madagascar.
2218 " monilifera, " Africa.
2235 " patula, Barnes, Peru.
2242 " plicatula, Nuttall, Wahoo.
2210 " plumbea, Lam., New Holland.
2238 " pusilla, Say, New-York.
2240 " triseriata, " Mediterranean.
2244 " Valenciennesii, Payr., California.
2243 " variolaris, " East Indies.
2215 " vitellus, Lam., California.
2229 " zebra, " East Indies.
2230 " zonaria, "

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2245 " communis, Lam., Atlantic Ocean.
2246 " exigua, " " "
2246 a. " globosa, Nuttall, Pacific.
2247 a. " prolongata, Blain., Corsica.

MACROSTOMIANA.

2253 Sigaretus cancellatus, Lam., Vanikoro.
2251 " concavus, " Africa.
2250 " haliotoideus, " England.
2249 " iris, " East Indies.
2254 " perspectivus, Say, New-York.
2250 b. Galericulum lavigatum, Brown, Massachusetts Bay.
2250 c. " ovatum, " " "
2255 f. Neritopsis cancellata, Sowb., Vanikoro.
2259 Stomatella auricula, Lam., New Holland.
2256 " imbricata, South Seas.

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" pl. 66, f. 1-3.
" pl. 66, f. 4-8.
Chern. 5, t. 186, f. 1862-3.
Fav.Conch.pl.10,f.N et pl.11,f.A.
Brown's Conch. of G. B.
Natica giauca, Humb.
" " vol. 5, p. 209.
Chern. 5, t. 186, f. 1866-7.
" 5, t. 187, f. 1886-6.
Encycl. pl. 453, f. 2, a. b.
Chern. 5, t. 166, f. 1577-8.
Encycl. pl. 456, f. 2, a. b.
Payr. Cat. pl. 6, f. 1.
2270 " australis, Gmel., New Holland. "
2278 " canaliculata, Lam., "
2269 " excavata, Lam., New Holland. "
22850 " marmorata, Linn., East Indies. "
2266 " Midae, Lam., "
2282 " pulcherrima, Chemn., South Sea. "
2283 " splendidus, Gray, California. "
2272 " striata, Linn., Indian Ocean. "
2271 " tuberculata, "
2268 " tubifera, Gmel., New Holland. "

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2297 " flammae, Gmel., "
2301 " nitidula, Lam., Isle of France. "
2302 " pedipes, "
2298 " solidula, Brug., Indian Ocean. "
2312 " maculosa, "
2310 " plicata, "
2314 " sulcata, Nuttall, Wahoo. "
2308 " terebellum, Lam., South Carolina. Kiener, Icon. pl. 1, f. 2.
2313 " ventricosa, Quoy, New Holland. "

SCALARIANA.

2324 " communis, "
2324 b. " " var. ? "

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<td>( Scalaria ) coronata, Lam., Cape Good Hope. Kiener, Icon. pl. 3, f. 8.</td>
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<td>elegans, ? Moluccas.</td>
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**Turbinacea.**

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<td>castaneus, &quot; &quot; &quot; &quot; &quot; &quot;</td>
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excavatus, Lam., Antilles.
Feronii, Payr., Mediterranean.
granosus, Lam., Sandwich Isles.
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imbricatus, Gmel., West Indies.
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indicus, " East Indies.
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Laugierii, Payr., Mediterranean.
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magnus, " Sandwich, Eng.
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Matoni, Payr., Mediterranean.
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2405 Monodonta Aegyptiaca, Lam., Corsica.
australis, " New Holland.
canalifera, " East Indies.

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Encycl. pl. 447, f. 5, a. b.
2441 (Monodontidae) carchedonius, Lam., East Indies.
2439 " coronaria, " Africa.
2441 a. " cruciata, " Brazil.
2459 " Draparnaudii, Payr., Mediterranean.
2448 " fragarioides, Lam., New Holland.
2437 a. " fusca, Nuttall, Upper California.
2444 " labio, Lam., Africa.
2439 a. " marginata, Nuttall, Upper California.
2442 " modulius, Lam., Red Sea.
2436 " pagodus, Lam., East Indies.
2460 " Richard, Payr., Mediterranean.
2443 " tecum, Lam., East Indies.
2450 " tricarinata, " Mediterranean.
2447 " viridis, Lam., New Holland.
2458 " zebra, " Indian Ocean.

2485 a. Turko auleus, Gould, Massachusetts Bay.
2470 " argyrostromus, Linn., Indian Ocean.
2482 a. " bizonalis, " Europe.
2496 " caeruleus, " Mediterranean.
2472 a. " canalis, Mont., Devon. G. B.
2471 " chrysostomus, Linn., Moluccas.
2481 " cidaris, Gmel., Tiger Bay.
2500 " coecus, Chev., East Indies.
2469 " cornutus, Gmel., China.
2484 " coronatus, " Straits Malacca.
2501 " granulatus, Chemn., East Indies.
2466 " imperialis, Gmel., China.
2506 " irroratus, Say, New-York.
2473 a. " labiosus, Mont., Cornwall, G. B.

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Payr. Cat. pl. 7, f. 1, 2.
Undescribed. ?
Chenn. 5, t. 165, f. 1567, 1568.
Payr. Cat. pl. 6, f. 21-23.
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2473 " margaritaceus, " Indian Ocean. Chemn. 5, t. 177, f. 1762.
2465 " marmoratus, " " 5, t. 179, f. 1775, 1776.
2466 b. " minimus, Wood, ? Wood's Index, Sup. pl. 6, f. 29.
2487 " muricatus, Linn., Barbadoes. Born. Mus. t. 12, f. 15, 16.
2494 " obtusatus, Linn., North Sea. Chemn. 5, t. 185, f. 1854, nos. e.d.
2476 " petholatus, Linn., South Devonshire. Dorset Cat. pl. 18, f. 13.
2478 " pica, " Cornwall, G. B. Pennant, pl. 82, f. 1.
2453 " rugosus, " Cape Good Hope. " 5, t. 179, f. 1777, 1778.
2465 " sarmaticus, " East Indies. " 5, t. 181, f. 1795, 1796.
2474 " setosus, Gmel, New Zealand. " 5, t. 182, f. 1815, 1816.
2505 " trochiformis, Linn., Europe. "
2468 a. " vestita, Say.

2462 Marmarostoma planospira, Nuttall, Upper California. Undescribed.
2487 b. " maculata, " " " "
2499 a. " planaxis, " " " "
2488 b. " tenebrata, " Sandwich Isles.
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<td>2493 b.</td>
<td>unicus,</td>
<td>Tenby,</td>
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<td>2510</td>
<td>Planaxis</td>
<td>Sandwich Isles. Undescribed.</td>
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<td>New Holland. Chemn. 2, t. 120, f. 1033, 1034.</td>
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<td>2527</td>
<td>canalis, Brown</td>
<td>Great Britain. Turbo canalis, Mont.</td>
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<td>2515 a.</td>
<td>inflexa, Couth.</td>
<td>Massachusetts Bay. Couthon's MSS.</td>
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<td>2521</td>
<td>Maurittiana,</td>
<td>Isle of France. &quot; &quot; &quot; no. 9.</td>
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<td>2517</td>
<td>Peruviana,</td>
<td>Peru. &quot; &quot; &quot; no. 5.</td>
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<td>2525</td>
<td>Vieuxii, Payr.</td>
<td>&quot;</td>
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<td>2534</td>
<td>brevialis,</td>
<td>Senegal. Encycl. pl. 449, f. 1, a. b.</td>
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<td>2529</td>
<td>duplicata,</td>
<td>East Indies.</td>
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<td>2532</td>
<td>fuscata,</td>
<td>Indian Ocean. Martini, Conch. 4, t. 153, f. 1422.</td>
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<td>2528</td>
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<td>Chili. &quot; 4, t. 151, f. 1412.</td>
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### Section II. — Trachelipoda Zoophaga.

**Canalifera.**

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<td>East Indies</td>
<td>Encycl. pl. 413, f. 5, a. b.</td>
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<td>Cerithium asperum</td>
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2621 (Turbinella) scolymus, Lam., West Indies. Encycl. pl. 431 bis. f. 2, a. b.
2653 " cancellata, Lam., India. Encycl. pl. 375, f. 4.
2663 b. " haemastoma, Gallapagoes.
2660 c. " oblonga, " " " f. 19.
2660 " reticulata, Lam., " " " Encycl. pl. 375, f. 3, a. b.
2650 " scalarina, Antigua. Chemn. 4, t. 134, f. 1172, 1173.
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2666 " distans, South Carolina. Lister, Conch. t. 910, f. 1.
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2672 " Tarentina, Gulf of Tarentum. Encycl. pl. 431, f. 3, a. b.
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2713 " articulatus, New Holland. Astrolobe, pl. 34, f. 9-14.
2719 " cinereus, " " " " Amboyna. Chemn. 10, t. 164, f. 1569.
2698 " cochlidiium, Indian Ocean. " " " " pl. 423, f. 2.
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2699 " corona, Lam., Gulf of Mexico.

* Cancellaria bucinoideas, Couthouy.
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<td>Penn. B. Zool. 4, t. 83, f. 2.</td>
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2727 " vespertilio, Lam., Indian Ocean.
2758 Melongena occidentalis, Nuttall, California.
2752 Struthiolaria inermis; Sowb., New Zealand.
2761 " nodulosa, Lam., "
2768 Ranella argus, Lam., Indian Ocean.
2775 " bitubercularis, " East Indies.
2771 " bufoidea, " Indian Ocean.
2780 " caudata, Say, New-York.
2767 " caudisata, Lam., ? Amboyna.
2765 " granifera, " East Indies.
2772 " granulata, " New Holland.
2706 " leucostoma, " Pacific.
2779 " lavigata, nitida, Brod., Bay of Caraccas.
2780 pulchra, Gray, East Indies.
2776 " ranina, Lam., Mediterranean.
2774 " semigranosa, " Red Sea.
2770 " spinosa, " India.
2781 " ventricosa, Brod., Pacific.
2783 " vexillum, Cuming, "
2802 Murex adustus, Lam., East Indies.
2811 " angularis, " Senegal.
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2804 " axicornis, " East Indies.
2788 " brandaris, Linn., "
2793 " brevispinia, Lam., East Indies.
2801 " calcitrapa, " "
2808 " capucinus, " Indian Ocean.
2787 " cornutus, Linn., Africa.
2838 " costularis, Lam., Red Sea.
2798 a. " crassilabrum, Gray, East Indies.
2799 " crassispina, Lam., Amboyna.
2842 " crispatus, " Indian Ocean.
2824 a. " ducalis, Brod., East Indies.

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Sowb. Gen. of Shells, f. 1, 2.
Encycl. pl. 414, f. 3, a. b.
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Sowb. Gen. of Shells, f. 1.
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" " f. 4.
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Encycl. pl. 419, f. 8, a. b.
Chenn. 11, t. 189, f. 1819, 1820.
" 11, t. 187, f. 1802, 1803.
Sowb. Conch. Illust. f. 56.
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Annotations:
- Some species are listed with additional geographical information, such as 'East Indies' and 'Pacific'.
- Several species are referenced with additional authors or page numbers for further detail.

References:
- Enewet. pl. 42, f. 1, a. b. c.
- Chemn. 10, t. 161, f. 1536, 1537.
- Wood's Index, Suppl. pl. 5, f. 17.
- Chemn. 10, t. 161, f. 1540-1541.
- Martini, 3, t. 115, f. 1066.
- Chemn. 11, t. 169, f. 1532-1534.
- Martini, 4, t. 139, f. 1597.
- Chemn. 10, t. 161, f. 1528-1529.
- Enewet. pl. 415, f. 5.
- Chemn. 10, t. 163, f. 1563.
- List. Conch. t. 916, f. 41.
- Sowb. Gen. of Shells, f. 5.
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- Martini, 3, t. 113, f. 1066.
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- Enewet. pl. 441, f. 3, a. b.
- Wood's Index, Suppl. pl. 5, f. 23.
- Chemn. 11, t. 169, f. 1824, 1822.
- Born. Mus. t. 11, f. 1, 2.
- Martini, 3, t. 109, f. 1018-1020.
- Sowb. Conch. Illust. f. 52.
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3187 " nereicum, " Sicily.
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3185 a. " plicatum, Nuttall, Sandwich Isles.
3149 " politum, Lam., Senegal.
3186 " polygonatum, " Brazil.
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3135 a. " tigrinum, [cum, Kiener, ?
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| 3201 | maculata, | | " | " " |
| 3205 a. | monile, | Quoy, | Mariannes Isles. | " " |
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| 3207 | oculata, | " | Indian Ocean. | " " |
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3306 " coronata, " "
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\* Mr. Barnes' description of this shell is contained in the Annals of the Lyceum of Natural History in the city of New-York, vol. 1, p. 139, pl. 9, f. 4. Read 5th April, 1821.
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Orthocerata.

Belemnites


Nodosaria

Hippurites

Conilites

Lituolata.

Spirolinites
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CRISTATA.

Renulites
Cristellaria
Orbiculina

SPHÆRULATA.

Miliolites
3830 q. Gyrogonites medicaginula, Lam., Grignon. fossil.
Melonites

RADIOLATA.

Rotalites
Lenticulites
Placentula

NAUTILACEA.

Discorbites
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3845 " umbilicatus, Lam., East Indies. Mart.l p. 226, vign.10. t.18,f.164.
Chemn.10. t.137, f. 1274, 1275.
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3852 " nitida, Lam., East Indies. " 3, t. 84, f. 9-12.

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LIST OF AUTHORS.

The following Authors are quoted, and their names chiefly abbreviated.

Adan.—Adanson.
Andr.—?
Bar.—Barnes.
Beck.
Binn.—Binney.
Blain.—De Blainville.
Bonel.—Bonelli.
Bosc.
Bode.—?
Bouil.—Bouillet.
Brom.
Brod.—Broderip.
Brown.
Brug.—Bruguière.
Caill.—Cailliaud.
Charp.—Charpentier.
Chemn.—Chemnitz.
Con.—Conrad.

Cooper.
Couth.—Couthouy.
Cozz.—Cozzens.
Crist.—Cristofori.
Cum.—Cuming.
Cuv.—Cuvier.
Da Costa.
Desh.—Deshayes.
Des Moul.—Des Moulins.
Desm.—Desmarest.
Dill.—Dillwyn.
Donov.—Donovan.
D'Orb.—D'Orbigny.
Drap.—Draparnaud.
Duclos.
Dufres.—Dufresne.

Flem.—Fleming.
Frembl.—?
Fritz.
Gmel.—Gmelin.
Gould.
Gray.
Green.
Griffith.
Guild.—Guilding.
Hanning.—Hanninghaus.
Hild.—Hildreth.
Humb.—Humboldt.
Humph.—Humphreys.
Jan.
Joannis.
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Figure 1. Bulimus cinctus, Nobis.

Habitat; Calcutta.

Remarks.—In the event of this shell not having been previously described, I propose the above name for it, from the White Band with which the body whorl is girt. For the possession of this rare Bulimus I am indebted to Børn W. Budd, M. D. of this City.

Figure 2, 3. Turbo Rotelliformis, Nobis.

Habitat; South Seas.

Remarks.—This shell was brought into Boston during the last year, and appears to be undescribed; on the upper surface it has every appearance of a large Rotella, but underneath the large and deep Umbilicus shows that it does not belong to that Genus. Should it prove to be new, a description of it will appear in the Annals of the Lyceum of Natural History of this City.
Figure 4. **Ampullaria Brownii**, Nobis.

**Habitat**, River Amazon.

**Remarks.**—This ponderous Ampullaria was procured from Capt. Brown, of Beverly, Massachusetts, who brought it from the above mentioned locality. It bears some resemblance to the Ampullaria crassa, Swainson, figured in Spix. tab. V. f. 1. It may, however, be only a variety.

Figure 5. **Ampullaria Storeria**, Nobis.

**Habitat**, River Amazon.

**Remarks.**—This is also one of the rarities brought home by Capt. Brown; and it is at his suggestion that I have named it after a very able and zealous Naturalist, D. Humphreys Storer, M. D. of Boston.

Figure 6, 7. **Helix Planorbis**, Nobis.

**Habitat**, Island of Togobo, Gulf of Guayaquil.

**Remarks.**—This beautiful shell was found by Capt. Sloat, U. S. N. It is owing to the generosity of his Son, in whose cabinet it was, that I am enabled to add this unique shell to my collection. It was the only one obtained, although some time was spent in searching for another. The marking on the upper surface is very similar to that of the Helix pellis-serpentis.

Figure 8, 9. **Paludina scalaris**, Nobis.

**Habitat**, Everglades of Florida.

**Remarks.**—This shell is white, semi-transparent, and very fragile; the sutures of the whorls are very angular, and of the same character with the Ampullaria scalaris, D'Orbigny. It was presented to me by Count Castelneau, whose researches in this country will, without doubt, add much interesting matter to our knowledge of Natural History.

Figure 10, 11. **Lymanea gracilis**, Nobis.


**Remarks.**—I am indebted to Professor Benedict, of Burlington, Vermont, for two specimens of this very slender and fragile Lymanea.
Figure 12, 13. **Nucula** Eightsii, Couthouy.

*Annals Lyceum Natural History.*

**Habitat,** New South Shetland.

**Remarks.**—A description of this new species of *Nucula* was read before the Lyceum during the last year, by Joseph P. Couthouy, Corresponding Member. Mr. C. presumes this to be a new species, from its remote locality, and the fact that it is neither alluded to by M. Des Hayes in his new edition of Lamarck, nor figured by Sowerby in his "Illustrations of the Genus Nucula," which embody all the new ones carried to England by Mr. Cumings, from the South Atlantic and Pacific Oceans. A few specimens only of this shell were picked up on the shores of New South Shetland, by Dr. James G. Eights, of Albany, N. Y.

Figure 14, 15. **Venerupis** Peruviana, Nobis.

**Habitat,** Coasts of Peru.

Figure 16. **Fissurella nigrita**? Sowerby.


**Habitat,** Tiger Bay, West Coast of Africa.

**Remarks.**—Mons. Largilliert, of Rouen, France, sent me this shell, with the following description of it made by a friend of his, who found a few specimens only at the above locality. "It was found in an animal having a black skin, and a reddish-colored belly—of a very tough substance, and nearly as thick as the hand. The shell is smooth on the back, and is entirely enveloped by the skin, with the exception of a small hole. It is found in the crevices of rocks washed by the sea."

It is a pure white within; and the margin, which is entire, has the appearance of having had a narrow strip of the external coating ground off, showing a white margin around the base of the shell, externally.

Figure 17, 18. **Trichotropis** costellatus, Couthouy.

*Boston Journal Natural History,* vol. 2, pl. 3, f. 2.

**Habitat,** deep waters of Massachusetts's Bay.
Figure 19, 20. **Nucula Portlandica**, Hitchcock.


Remarks.—Fossil. From the tertiary formation near Portland, Maine. I am indebted to Mrs. S. Dunlap, of Salem, for specimens of this fossil.

Figure 21. **Helix denticulata**, Nobis.

Habitat, unknown.

Remarks.—This Helix has been in my collection for several years, and I cannot find that it has been described; nor have I ever seen a duplicate.
PLATE II.

Figure 5. Cerithium marmoratum, Quoy et Gaimard.

"Cerithium, testa turrita, tuberculosa, transversim striata, apice plicata, albido luteo-cente, fusco vel subrubro marmorata; apertura ovali, albida; canali recurvo."

Voyage de l' Astrolabe, Zoologie, tome 3, par. 1, page 109, pl. 54, fig. 4.

Habitat, New Holland. 

Remarks.—When the second edition of this catalogue appeared, I was not aware that this shell had been previously figured. Having however lately received a copy of the above splendid work, I immediately discovered Cerithium magnum, Nobis, to be the Cerithium marmoratum of Messrs. Quoy and Gaimard, whose description I have taken the liberty to copy. Of the two specimens in my Cabinet, one is exactly five inches in length.

Figure 6, 6. Ranella pulchra, Gray.

Biplex Perca, Perry's Conch. pl. iv. f. 5.

Habitat, East Indies. ?
PLATE III.

Figure 7. Ampullaria scalaris, D'Orbigny.

Guérin's Magasin de Zoologie.
Ampullaria angulata, Nobis.

Habitat, Mexico.

Figure 8. Ampullaria ochracea, Nobis.

A. testa ventricoso-globosa, tenui, laevi, ochracea; anfractibus convexi et ad suturas albo-caerulescentibus.

Habitat, Spanish Maine.

Remarks.—Mr. G. B. Sowerby, in the 1st part of his Malacological and Conchological Magazine says, that this shell is only a variety of Ampullaria fasciata; Lamarck. I received eight specimens of this beautiful shell, all precisely alike, except that some were larger than others. The person from whom I obtained them told me that they came from the Spanish Maine; and I am still of the opinion that it is a distinct species.

Figure 9, 9. Helix speciosa, Nobis.

H. testa subglobosa, imperforata, spadicea; anfractibus fasciis albis transversis.

Habitat, unknown.

Remarks.—I have received another specimen of this pretty Helix, which was brought by a sailor from the Isle of France.
PLATE IV.

Figure 10. *Natica fluctuata*, Sowerby.

"N. testa subglobosa, pallida, lineis albis longitudinalibus flexuosis angulatim picta; spira brevissima, acuta; apertura magna, superne acuta, infra effusa, rotundata; umbilico angusto, tecto; callo columellari expanso, infra albo, crasso, superne castaneo, tenuiore."

Osz. "Besides the longitudinal white zigzag lines upon a fawn-colored ground, there are four transverse bands, very little darker than the ground color itself. The dark chestnut edging to the expanded columella callus is a principal character of this shell."

Sowb. Tankerville Catalogue, Appendix, p. xii.

*Natica imperforata*, Nobis.

Habitat, unknown.

Remarks. I take this opportunity to return my thanks to Mr. Sowerby for a beautiful copy of the above work; and also for pointing out his prior claim to the above shell. Having however figured it, I add the above description copied from the Appendix to the Tankerville Catalogue.

Figure 11. *Neritina granosa*, Sowerby.

"N. Testa subrotunda, compressiuscule, subalata, alba, epidermide nigra induta, extus granosa, granis, per series ordinatis; labii externi margine crenulato; subtus planulata, labio columellari, lato, aurantiaco, margine interno sinuato, edentulo."

Sowerby, Tank. Cat. Appendix, page xi.

*Neritina papillosa*, Nobis.

Habitat, Sandwich Islands.

Remarks. I am indebted to Mrs. Say for several specimens of this curious and beautiful Neritina. They were brought from the Sandwich Islands by one of our Missionaries.
PLATE V.

Figure 1, 2. Unio spinosus, Lea.

"Testa spinosă, subtriangulari, inflāta, inaequilaterali, posticē acuto-angulatā; valvulis suberas-sīs; clivo umboniali carinato; natibus vix prominentibus; epidermide atro fusē, glabrā; dentibus cardinalibus deorsum inclinantibus; lateralibus subgrandibus subcurvisque; margarīd purpureā." Trans. Amer. Phil. Soc. vol. vi. p. 57, pl. xvi.

HABITAT, Altamaha River, Hopeton, near Darien, Georgia; also Liberty County, Georgia.

"Shell spinous, subtriangular, inflated, inequilateral, acutely angular behind; arcuate on the dorsal margin; substance of the shell rather thick, thinner behind; spines erect, opposed in each valve, placed in a row before the umbonal slope, and nearly parallel thereto; umbonal slope carinate; beaks scarcely prominent; ligament short and thick; epidermis dark brown, shining, finely wrinkled; cardinal teeth inclining downwards, single in the right and double in the left valve; enlarged and truncate at the anterior end; lateral teeth rather large, thickened and curved in the inferior portion; anterior cicatrices distinct; posterior cicatrices confluent; dorsal cicatrices placed in the inferior part of the cardinal teeth; cavity of shell deep; cavity of the beaks angular; nacre purple."

Mr. Lea also observes, in his interesting details of this shell, that "the teeth differ in some of their characters from any Unio with which I am acquainted. The highest part of the dorsal curve is equi-distant from the extreme ends of the two teeth. The cardinal teeth are remarkable for their form and position, being very much enlarged at the anterior end, and pointing to the anterior margin. The lateral teeth are lamellar, and unusually enlarged on the inferior portion, thus forming an inverted curve, the inferior portion of the double lamellar tooth being very much larger than the superior one. The nacre of the shell is purple, approaching a rose color, and is very beautiful."

The specimen in my Cabinet is a very perfect young shell, with only two perfect spines, one on each valve, and exactly opposite. These spines are hollow, and on the interior of each valve, and immediately underneath the spines, there is, in my specimen, a covered canal running towards the anterior margin, and into which a bristle may be inserted for half an inch. Whether this canal communicates with the external spines I cannot say; but it appears to me to be very probable. I am indebted to Major LeConte, of this city, for the beautiful specimen in my Cabinet. The figure is a copy of Mr. Lea's plate.
PLATE VI.

Figure 1. Bulimus ustulatus, Nobis.

Habitat, unknown.

Remarks. I procured this shell from a dealer in this City, and thus far have not been able to find any description that would apply to it. It is two and five-eighths of an inch in length, and about one broad. It has seven convex whorls, of which the last, or body whorl, appears contracted. The margin is reflected, has the appearance of a tooth on the centre of it, and is of a dirty bluish color. The aperture is contracted, and somewhat ear-shaped. The umbilicus is small, and formed by the reflection of the margin. The stripes are longitudinal and diagonal, and are remarkable for having a burnt or scorched appearance. The interior is a bluish white.

Figure 2. Bulimus Aurora, Nobis.

Habitat, unknown.

Remarks. This beautiful specimen has nine slightly convex whorls, is extremely light; semi-transparent; surface smooth and glistening, and the color is uniform throughout. It is slightly umbilicated, and is two and three-eighths of an inch in length. The apex is obtuse, and the sutures compressed and corrugated.

Figure 3. Achatina bicolor, Nobis.

Habitat, unknown.

Remarks.—This shell has six convex whorls, the sutures of which are marked by a broad, yellow-colored band. The lower parts of the whorls are of a dark reddish brown. The columella is very much arched, and the truncation very abrupt; lip acute; aperture white. I have three specimens; but this one, although the smallest, is the most perfect.
Figure 4. Bulimus virgatus, Nobis.

Habitat, unknown.

Remarks.—Shell polished, striped brown and white; margin reflected; apex rather obtuse; whorls five, slightly convex; columella a little concave; interior white.

Figure 5. Bulimus porraceus, Nobis.

Habitat, unknown.

Remarks.—This shell closely resembles the last, and may be only a variety. It is covered with a greenish yellow-colored epidermis. The margin is much expanded, and together with the interior is a beautiful glossy white; a small, dark-colored band commences at the umbilicus, crosses diagonally the columella, and disappears internally. It is much more umbilicated than the last, and is a heavier shell.

Figure 6, 7. Pandora striata, Quoy et Gaimard.

"Pandora, testa orbiculato-trigona, securiformi, alba, intus margaritacea; valva dextra plana, longitudinaliter striata."

Voyage de l' Astrolabe, Mollus. pl. 83, f. 10.

Habitat, New Zealand.

Remarks.—My specimen measures one inch and a half by one and a quarter, and is beautifully marked with crowded concentric plaits.
PLATE VII.

Figure 1. Bulimus tristis, Nobis.

Habitat, Zanzibar.

Remarks.—This shell is entirely new in our collections, and was received by Mrs. S. Dunlap, of Salem, Mass. who very kindly sent me the specimen which I have figured. The color is the same both externally and internally; the lip is acute; is slightly umbilicated, and has numerous longitudinal striae.

Figure 2, 3. Conus rhododendron, Couthuoy.

"C. testa cylindracea turbinata, rosea, alba et fusca nubilata, punctis cinnamomeis superne inferneque notata, striis transversis sulciformibus numerosis, spira obtusa, columella superne sulcata, fauce alba."


Habitat, Seas of Australasia.

"Shell cylindrically turbinate, of a blush rose color, longitudinally clouded with white and pink, surrounded by three bands, composed of irregularly grouped triangular pinkish colored dots; the first near the spire, the two lowest near the base, the interval being without spots: circled by about 30 impressed transverse striae, which, near the base, deepen and widen into distinct sulcations; are inconspicuous near the middle, and become more prominent again near the spire. The spaces between these striae are flattened in such a manner as to give the shell the appearance of being ribbed or hooped; thickly set, minute longitudinal striations cover the whole surface, but are most apparent in the transverse sulci—spine obtuse—its whorls concave, with three or four revolving striae on each; aperture dilated at the base, with a strong oblique sulcus at the superior portion of the columella, and a prominent ridge near its lower extremity—lip internally of a rich cream color."

Remarks.—This very beautiful shell, which in the richness and delicacy of its coloration is equalled by few of the Genus, was presented to me by Augustus A. Adee, Surgeon U. S. N. It measures exactly two inches in length.
Figure 4, 5. *Cyclostoma Cumingii, ?* Sowerby.

Habitat, Island of Tumaco, South America.

Remarks. I have two fine specimens of this large and rare *Cyclostoma*. The apex of the spine is visible in the Umbilicus. The largest one measures 2\(\frac{3}{4}\) of an inch in breadth, and 1\(\frac{1}{4}\) inch in length.

Figure 6. *Bulimus dubiosus*, Nobis.

Habitat, Brazil. ?

Remarks.—Shell turrited—mouth ear-shaped—columella with a white ridge, caused by the reflection of the internal lip, which covers, or rather forms an umbilicus—lip acute, aperture narrow, contracted, and produced backwards at its base, forming something like a canal. It has nine whorls slightly convex, and compressed at the sutures. It is striped longitudinally and diagonally, with irregular ferrugineous lines—size 1\(\frac{1}{4}\) inch in length, and \(\frac{3}{4}\) broad. For this curious and interesting species I am indebted to G. W. Pratt, Esq. of Boston, Mass.

Figure 7, 8. *Cyclostoma multicarinata*, Nobis.

Habitat, unknown.

Remarks.—The last whorl of this shell has ten elevated horizontal ribs, or ridges, equi-distant from each other, and crossed longitudinally by numerous fine striæ—margin is reflected, and partly covers the umbilicus—lip white, shell reddish; with the exception of the fimbriated edge to the margin, it resembles *Cyclostoma pulchrum*, Sowerby’s Genera of Shells, figure 2.

Figure 9, 10.—*Cyclostoma maculosa*, Nobis.

Habitat, unknown.

Remarks.—This *Cyclostoma* is remarkable for the angularity of the base of the body whorl, and somewhat resembles the base of a *Trochus*. The umbilicus is almost closed. The shell has a polished appearance, and is beautifully mottled with reddish brown blotches.

Figure 11. *Melania lœta*, Nobis.

Habitat, Rivers in Alabama.
Remarks.—I cannot find that this Melania has been described by Mr. Conrad among those which he collected in the same state, and have therefore ventured to give it as a new species. The apex of the spine is eroded, which gives it a blunt termination.

*Figure 12, 13. Cyclostoma multilineata, Nobis.*

Habitat, unknown.

*Remarks.*—A very pretty shell, with five reddish lines surrounding the body whorl. The umbilicus is closed; the aperture is round, but the margin is indented on the external and superior part.
PLATE VIII.—IX.

*Dolium melanostomum*, Nobis.

Habitat, Friendly Islands.

Shell very large, ovate-globose, pretty light, very ventricose, ridged transversely with numerous convex ribs, alternated by other ribs, about two-thirds smaller, sunken between the larger ribs. The furrows which separate them are also sunken, and very distinct. Suture channelled; spire somewhat elevated, formed of five rounded convex whorls; the lower one forms of itself almost the whole of the shell. The aperture very large, of a bright coffee color within, and exhibits elevated transverse ribs corresponding to the external depressions. The right lip is colored dark brown, externally, for about three-fourths of an inch, forming the black margin in plate IX. The whole surface is also marked by numerous longitudinal striae. It measures seven inches and three quarters in its transverse diameter, and nine inches in length.

Remarks.—This splendid shell was sent me about two years since from Nantucket. It was brought in there by a whaler, and was obtained at the above locality by the natives, who were diving for shells. It was the only one found, and has excited the admiration of every beholder by its beauty, size, and singularity of construction. It not answering to any description in Mons. Kiener's "Iconographie des Coquilles Vivantes," a work now in course of publication, and in which a monograph of the genus *Dolium* has appeared, I have no doubt that it is a new species, and one which surpasses all the others in splendor.
The peculiar arrangement of the transverse ribs on the surface point out at first sight its claim to a new species; to which may be added the magnificent enamelled appearance of the aperture. The two figures are the result of two different attempts to get an exact representation of this shell, but falls short in some little particulars; and for the coloring, I have found it utterly impossible to get justice done it. The figures, therefore, will only give a tolerably correct idea of the general appearance of the shell, but none of its beauties.
Figure 1, 2. Voluta armata?, Lamareck, variety.

Habitat: unknown.

Remarks.—This rare shell has been in my collection for several years, and I have always been under the impression that it was a distinct species. Having, however, lately received the Livraisons of Mons. "Kiener's Iconographie," which contain figures of the Volutes, and upon examination of the figures of the Voluta armata, Lam., and its varieties, I am inclined to think this may be one of them. Not having received the text, I am only able to judge from the figures. My specimen has three large plaits on the Columella, with an additional small one above the others. It is a very delicate, light shell, although from its size one would suppose it to be heavier than it is. Length 8 inches, breadth 4 inches.
6.48246 m/s
90° - 60° = 30°

274.08

85 - 2 = 83

- 130